

SERVICE AGREEMENT

THIS AGREEMENT made and entered into on this 21st day of December 2015 by and between the City of Las Cruces, New Mexico, hereinafter called "CITY" and RJ Border International, of 2701 W. Amador, Las Cruces, NM 88005 hereinafter called "CONTRACTOR".

1. PROJECT DESCRIPTION

Medium Duty Parts and Labor

2. SCOPE OF SERVICES

In a satisfactory and proper manner, the CONTRACTOR shall perform SERVICES as proposed in response to the CITY'S RFP No. 15-16-074 incorporated herein by reference and as set forth in Exhibit A, attached hereto and made a part of this Agreement.

The CONTRACTOR is authorized to extend the same terms and conditions of this Agreement to other governmental entities conditioned upon the procurement laws and regulations of those entities. The CITY shall not be a party nor have any liability relating to such extensions.

3. APPROPRIATIONS

The terms of this Agreement are contingent on sufficient appropriations and authorization being made by the City Council for the performance of this Agreement. If sufficient appropriations and authorizations are not made by the City Council, this Agreement shall terminate upon written notice given by the CITY to CONTRACTOR. The CITY'S, decision as to whether sufficient appropriations and authorizations exist shall be accepted by CONTRACTOR and shall be final.

4. COMPENSATION

The CITY shall compensate CONTRACTOR for the performance of SERVICES under this Agreement as proposed in response to RFP 15-16-074, plus applicable taxes. CONTRACTOR shall perform the SERVICES upon receipt of a purchase order.

CONTRACTOR is responsible for payment of State of New Mexico Gross Receipts Tax levied on the amounts payable under this Agreement. CONTRACTOR agrees to comply with all federal and state tax payments and report all items of gross receipts as income from the operations of its business.

5. DEVOTION OF ADEQUATE TIME

CONTRACTOR will devote the necessary hours each week to the performance of project that are required by the CITY, and it will serve the CITY, diligently and faithfully, and according to its best ability in all respects and will promote the best interests of the CITY.

6. TERM AND SCHEDULE

This Agreement shall become effective on December 21, 2015 for a term of one (1) year through June 30, 2016 and has three (3) one-year renewable options to be exercised at the discretion of the CITY, upon mutual written consent. CONTRACTOR shall perform the SERVICES in accordance with the time set forth as agreed upon by the CITY and CONTRACTOR.

7. EXTENSIONS, CHANGES, AND AMENDMENTS

This Agreement shall not be extended, changed, or amended except by instrument in writing executed by the parties. The CITY shall not be liable for payment of any extra services nor shall CONTRACTOR be obligated to perform any extra services except upon such written agreement. Such written approval shall indicate the date said extension, change, or amendment is effective and shall be signed by the parties to this Agreement. In the event that the parties cannot reach agreement as to a particular change, the issue shall be resolved pursuant to Article 21.

8. CHANGES AND EXTRA SERVICES BY THE CITY

The CITY may make changes within the general scope of the SERVICES plus may also request CONTRACTOR to perform other extra services not incorporated within the Services set forth in this Agreement. If the CONTRACTOR is of the opinion that such change causes an increase or decrease in the cost and/or the time required for performing the changes or other services required by the CITY, CONTRACTOR shall so notify the CITY, of that fact within five (5) business work days from the date of receipt of change by the CITY. The CITY shall provide written response to the CONTRACTOR within five (5) business work days from the date of receipt of CONTRACTOR'S written notification.

9. CHANGES AND EXTRA SERVICES BY THE CONTRACTOR

In the event a condition is identified by the CONTRACTOR which, in the opinion of the CONTRACTOR, changes the services, costs, and/or time required for performance under this Agreement, the CONTRACTOR shall provide written notification to the CITY within five (5) business work days of such identification. The CITY shall respond in writing to such notification within five (5) business work days from the date of receipt of CONTRACTOR'S notification.

10. DELAYS

In the event that performance of SERVICES is delayed by causes beyond reasonable control of CONTRACTOR, and without the fault or negligence of CONTRACTOR, the time and total compensation for the performance of the SERVICES may be equitably adjusted by written agreement to reflect the extent of such delay. CONTRACTOR shall provide the CITY, with written notice of delay pursuant to Article 9 including therein a description of the delay and the steps contemplated or actually taken by CONTRACTOR to mitigate the effect of such delay. The CITY will make the final determination as to reasonableness of delays.

11. TERMINATION

This Agreement may be terminated by either party hereto upon fifteen (15) calendar day's written notice in the event of substantial failure by the other party to perform in accordance with the terms of this Agreement through no fault of the terminating party. This Agreement may also be terminated by the CITY, for its convenience or because the PROJECT has been permanently abandoned, but only upon fifteen (15) calendar days written notice to CONTRACTOR.

In the event of termination, CONTRACTOR shall be compensated for all services performed and costs incurred up to the effective date of termination for which CONTRACTOR has not been previously compensated.

Upon receipt of notice of termination from the CITY, CONTRACTOR shall discontinue the SERVICES unless otherwise directed and upon final payment from the CITY, deliver to the CITY, the required number of copies of all data, drawings, reports, estimates, summaries, and such other information and materials as may have been accumulated by CONTRACTOR in the performance of this Agreement, whether completed or in process.

12. RECORDS AND AUDITS

CONTRACTOR will maintain records indicating dates, length of time, and services rendered. The CITY has the right to audit billings both before and after payment, and contest any billing or portion thereof. Payment under this Agreement does not foreclose the CITY'S, right to recover excessive or illegal payments.

13. DISCLOSURE AND OWNERSHIP OF DOCUMENTS, PRODUCTS, DESIGN, ELECTRONIC FILES

All technical data, electronic files, and other written and oral information not in the public domain or not previously known, and all information, electronic files, and data obtained, developed, or supplied by the CITY, will be kept confidential and CONTRACTOR will not disclose to any other party, directly or indirectly, without the CITY'S, prior written consent unless required by lawful order.

All technical data, electronic files, products developed, operational parameters, blueprints, and other information and work of the CONTRACTOR shall be the sole property of the CITY, and shall be delivered to the CITY, when requested and at the end of the Agreement.

14. INDEPENDENT CONTRACTOR

CONTRACTOR represents that it has, or will secure, at its own expense, all personnel required in performing the SERVICES under this Agreement. Such personnel shall not be employees of, nor have any contractual relationship with the CITY, CONTRACTOR, consistent with its status as an independent contractor, further agrees that its personnel will not hold themselves out as, nor claim to be officers or employees of the CITY, by reason of this Agreement.

To the extent that CONTRACTOR employs any employees, CONTRACTOR shall be solely responsible for providing its own form of insurance for its employees and in no event shall CONTRACTOR's employees be covered under any policy of the CITY.

CONTRACTOR'S retention hereunder is not exclusive. Subject to the terms and provisions of this Agreement: (i) CONTRACTOR is able, during the Term hereof, to perform services for other parties; and (ii) CONTRACTOR may perform for its own account other professional services outside the scope of this Agreement.

CONTRACTOR is and shall be an Independent Contractor and shall be responsible for the management of its business affairs. In the performance of the work under this Agreement, CONTRACTOR will at all times be acting and performing as an Independent Contractor, as that term is understood for federal and state law purposes, and not as an employee of the CITY. Without limitation upon the foregoing, CONTRACTOR shall not accrue sick leave, jury duty pay, retirement, insurance, bonding, welfare benefits, or any other benefits, which may or may not be afforded employees of the CITY. CONTRACTOR will not be treated as an employee for purposes of: Workers' Compensation benefits; the Federal Unemployment Tax Act; Social Security; other payroll taxes, federal or any state income tax withholding; or the employee benefit provisions described in the Internal Revenue Code of 1986, as amended. Neither the CITY, nor its agents or representatives, shall have the right to control or direct the manner, details or means by which CONTRACTOR accomplishes and performs its services. Nevertheless, CONTRACTOR shall be bound to fulfill the duties and responsibilities contained in the Agreement.

15. NO JOINT VENTURE OR PARTNERSHIP

Nothing contained in this Agreement shall create any partnership, association, joint venture, fiduciary or agency relationship between CONTRACTOR and CITY. Except as otherwise specifically set forth herein, neither CONTRACTOR nor CITY, shall be authorized or empowered to make any representation or commitment or to perform any act which shall be binding on the other unless expressly authorized or empowered in writing.

16. ASSIGNMENT

CONTRACTOR shall perform all the services under this Agreement and shall not assign any interest in this Agreement or transfer any interest in same or assign any claims for money due or to become due under this Agreement without the prior written consent of the CITY.

17. INSURANCE

CONTRACTOR shall obtain and maintain insurance at its own cost and expense during the life of this Agreement, and shall require Subcontractors, if any, to maintain during the life of his subcontract:

1. \$1,000,000 (One Million Dollars) General Liability Insurance with the City named as an additional named insured with the same coverage as the CONTRACTOR.

2. \$100,000 (One Hundred Thousand Dollars) Property Damage Insurance.
3. In the case of any approved subcontract, the CONTRACTOR shall require the subcontractor to provide statutory Workers' Compensation and Employers' Liability Insurance, with the same limits as those required by the CONTRACTOR.
4. Worker's Compensation Per New Mexico Statute (3 or more employees)
 - \$1,000,000 - Bodily Injury: By Accident - Each Accident
 - \$1,000,000 - By Disease: Policy Limit
 - \$1,000,000 - By Disease: Each Employee
 - This coverage required for non-construction contractor with three (3) or more employees
 - Exception: Not applicable to out-of-state companies unless they are hiring in NM
5. The CONTRACTOR must immediately notify the CITY if insurance is canceled or not renewed.

The City must be named as additional insured - This coverage must be as broad as the coverage provided to the insured; coverage must be primary and non-contributory before any other insurance or self-insurance. A copy of endorsement for this coverage must be provided as a condition of this Agreement.

Waiver of Subrogation will apply and shall be noted on the certificate.

CONTRACTOR shall furnish the CITY, with a certificate(s) of insurance showing CONTRACTOR and Subcontractors, if any, have complied with this Article. The CONTRACTOR shall provide insurance certificates before work is to start on the project and shall provide the CITY thirty (30) days written notification of cancellation of such policies.

18. INDEMNITY AND LIMITATION

CONTRACTOR shall indemnify, defend, and hold harmless the CITY, from and against any and all claims, suits, actions, judgments, demands, losses, costs, expenses, damages, and liability caused solely by, resulting solely from, or arising solely out of the negligent acts, errors, or omissions of CONTRACTOR, its officers, employees, agents, or representatives in the performance of SERVICES under this agreement.

19. APPLICABLE LAW

This Agreement and the rights and obligations of the parties shall be governed by and construed by the laws of the State of New Mexico applicable to Agreements between New Mexico parties made and performed in that state, without regard to conflicts of law principles. Venue shall be in the Third Judicial District, State of New Mexico.

CONTRACTOR shall abide and be governed by all applicable state law, CITY ordinances, and laws regarding the CONTRACTOR'S services or any work done pursuant to this Agreement.

20. BREACH

RJ Border International

BY:


Charlie Cogdill
Owner

12.23.15
Date

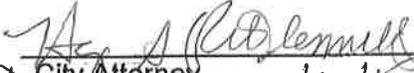
CITY OF LAS CRUCES

BY:


Deb Smith
Purchasing Manager

12/29/15
Date

APPROVED AS TO FORM


Deputy City Attorney 12/28/16

RFP 15-16-074 Fleet Medium Duty Parts and Labor

BORDER INTERNATIONAL



Home > PARTS PUBLICATIONS SITE > SUPPLIER CATALOGS

SUPPLIER CATALOGS

- 3M
- Accuride
- Alcoa Fastening Systems
- Alcoa Wheel Products
- Allison Transmission
- Amerex Corporation
- American Chrome Company
- American Technology Components, Inc.
- Arctic Fox
- Arrow Safety Device Company
- Arvin Meritor
- ATF
- ATRO Engineered Systems
- Autotherm
- AxleTech
- Barksdale
- Beach Manufacturing Company
- Belmor
- Bendix
- Belfts Spring Company
- BorgWarner
- Bosch
- Bostrom
- Fleetline Products
- Fleetrite
- Flex-A-Lite
- Flexfab
- Fontaine Fifth Wheel
- Fusor Automotive Repair Adhesives
- Garrett
- GE Lighting
- Gent-L-Kleen
- Global Finishing Solutions
- Gold Eagle
- Goodyear
- Grote Industries
- Grover Products Co.
- Gunite
- Hadley
- Haldex
- Hayes Lemmerz
- Hendrickson
- Horton
- Index Sensor & Controls
- ISN
- J. J. Keller & Associates, Inc.
- Perkins Engines
- Permatex
- Peterson Manufacturing Company
- Philatron
- Phillips & Temro Industries
- Phillips Industries
- Phoenix USA
- Power Service
- Preco
- Product Sales Company
- Quality Automotive Accessories
- Racor
- Radiator Specialty
- RealWheels
- Reflexite
- ReNEWed
- Retrac Mirrors
- Reyco Granning Suspension
- Ricon Corporation
- Road Gear
- Roadmaster
- Rosco
- SAF-Holland

- Braun Corporation
- BSP
- Cab Fresh Filters
- Caterpillar
- Certified Safety
- Chalmers Suspensions International Inc.
- Cham-Cal Engineering
- Cinch Connectors
- Clark Brothers Instrument Company
- Climate Control
- Cole Hersee
- Commercial Vehicle Group
- Concepts NREC
- Consolidated Metco(ConMet)
- Continental Mixer
- Cortina
- Cummins
- D & D Instruments
- Davco
- Delco Remy
- Delphi
- Denso
- Dieter's Accessories
- Donaldson
- Donovan Enterprises, Inc.
- Doran
- Dura-Lite
- Eastern Industries Inc.
- EATON
- ECCO
- Espar Heater Systems
- Estee Bedding
- Exide Technologies
- Fabco Automotive Corp.
- Jacobs Vehicle System
- Jones Performance
- JOST International
- Kidde
- Kimberly-Clark Professional
- Koneta Inc.
- LADD Industries
- Lang Mekra
- Leece Neville
- Life-Time Fenders, LLC
- Link
- Loctite
- Luber-finer Filtration Products
- Lucas Oil
- Martec International
- Medallion Instrumentation Systems
- Megavolt
- Merritt Equipment Company
- Metchro Products Inc.
- MGM Brakes
- Michelin
- Midtronics
- Mirror Lite
- Mitsubishi Electric
- Modine
- Monroe
- Moto Mirror
- Motor Wheel
- Muncie Power Products
- National Seating
- NewStream Enterprises
- Orion Safety Products
- PacBrake
- Pacific Cargo Control
- Sanden Compressors
- Sate-Lite
- Sears Seating
- Seats Inc
- Shell
- Shinn-Fu
- Simple Green
- SKF
- Sloan
- SOS Metal
- Specialty Manufacturing
- Spectra Premium
- Spicer
- Sprague Devices
- SRC
- Stemco
- Syntflex Hose
- TF Hudgins
- Timken
- Trico Products
- Truck-Lite
- TTC
- Tyton
- Vanner Inc
- Vehicle Improvement Products
- Velvac
- Viking/Poly Jec
- Walker
- Watson & Chalin
- Weatherhead
- Webasto
- Webb Wheel Products
- Wexco Industries
- Wicked Products

- Federal Mogul
- Federal Signal
- Firestone Industrial Products
- Fleet Engineers
- Fleet Warehouse
- Fleetguard

- Pana-Pacific
- Parker Chelsea
- Parker Hannifin
- Peerless Chain Company
- Penray
- Performance Friction

- Williams Controls
- Woodward Controls
- Xantrex
- Zephyr Sales Company
- ZF FreedomLine by Arvin Meritor

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361°

Steel Wheels

3M

Conspicuity Tape

ACCURIDE

CORPORATION

Steel & Aluminum Wheels

Air Weigh.

On Board Scale Systems



ALCOA

WHEELS

Aluminum Wheels



ALCORN

Chicago Pneumatic Air Tools



All Makes Body Components

ANERA

INTERNATIONAL

Cargo Control Products



Applichem

Liner Adhesive

ANTHONY

LIFTGATES, INC.

Lift Gates & Parts



Great Dane Trailers

Autohardware

F.J. FLYNN, INC.

Fasteners

Bendix

Air Brake & Electrical Products

Betts

INDUSTRIES

Lighting Products



Mud Flap Brackets

BOSS

Seals, LLC.

Wheel Seals

BUFFERS USA

Landing Gear & Container Parts

Bustin

SAFETY EVERY STEP OF THE WAY... SINCE 1928

Safety Steps & Platforms



Landing Gear & Accessories



Truck Equipment Accessories



Brake Foundation Parts

CHAMPION

CUTTING TOOL CORP.

Drill Bits & Tools



Oil & Lubricants



CLENDEN BROTHERS, INC.

Buck Rivets

CISCO

COLUMBUS MCKINNON
FORGE OPERATIONS

Chains, Binders & Accessories

CONMET
Pointing the Way
Aluminum Hubs

CRANE
Composites
Fiberglass Lining

CMJ
Air Brake Products

CRC
Proven. Global. Solutions.
Brake Cleaner

DANA SPICER
DIVESTED PRODUCTS
Outrunner Wheel Seals

DANAHER
SENSORS & CONTROLS
Hubdometers & Brackets

DOW
Foam Products

E
EBERHARD
MANUFACTURING COMPANY
Door Hardware

Ecological Concepts, Inc.
Eco-Tech
Recycled Scuffliners

ECC
Engineering & Construction Company
Fasteners

FEDERAL MOGUL
Wheel Seals & Hubcaps

FTI
Fiberglass Reinforced Panels

Firestone
World's Number 1 Air Spring.
FIRESTONE INDUSTRIAL PRODUCTS COMPANY
Air Springs

LEET ENGINEERS
INCORPORATED
Trailer Components

FORGITRON
TECHNOLOGIES, LLC
Aluminum Wheels

FREIGHT WING
Driving Fuel Efficiency Into Tomorrow
Trailer Skirts

Geocel
Setting the Standard
Adhesives & Sealants

GERDAU AMERISTEEL
MRM SPECIAL SECTIONS
Steel Crossmembers

Glasteel
Fiberglass Lining

GLOBETECH
MANUFACTURING, INC.
Trailer Components

Grote
The first name in vehicle safety systems.
Lighting Products

GUNITE
"ACCURIDE"
Hubs & Brake Drums

Haldex
Air Brake & Electrical Products

HALTEC
CORPORATION
Valve Stems

HAVCO
WOOD PRODUCTS LLC
Laminate Oak Flooring

HAYES LEMMERZ
Steel Wheels & Rims

HENDRICKSON
The World Rides On Us
Air Ride Suspensions & Parts

HT **Hoosier Tank & Manufacturing, Inc.**
Air Tanks



Fasteners



Spring Suspensions



Wheel Bearings



Fasteners



Lift Gates & Parts



Bulkheads & Reefer Chutes



Oil & Lubricants



Safety & Placards



Landing Gear & Parts



Floor Restore Products



Hubs & Brake Drums



Cargo Control Products



Mud Flaps



Fasteners



Placards



Trailer Skirts



Lift Gates & Parts



Mud Flaps



Grease Lubrication Systems



Oil & Lubricants



Hand Trucks & Ramps



Adhesives & Sealants



Lift Gates & Parts



Axles, Suspensions, Components



Tool Boxes & Cab Guards



Brake Chambers



Truck & Trailer Components



Hubs & Brake Drums



NUDO

Swing Door Blanks

optronics

Lighting Products

OHC

Container & Apitong Flooring

Parker

Air Brake Tubing

Penz PRODUCTS, INC.

Trailer Components

Permatex
AN ALLIANCE TOOL WORKER COMPANY

Sealants & Adhesives

PETERSON
MANUFACTURING CO.

Lighting Products

PHILIPS

Air Brake & Electrical Products

POWER
BRACE
CORPORATION
1960 50 2010

Door Hardware

PREMIER
MFG. CO.

Hitches & Drawbars

PROLAM

Hardwood & Oak Flooring

GUNK
liquid
WRENCH

RADIATOR SPECIALTY

Gunk & Liquid Wrench

Ranger Brake Products, Inc.

Brake Chambers

REAGAN
INDUSTRIALS

Air Springs & Shocks

Reflexite
REFLECTIVE SOLUTIONS

Conspicuity Tape

Reyco
Granning
SUSPENSIONS

Suspensions & Parts

R
W

RIDEWELL
SUSPENSIONS

Suspensions & Parts

ROAD GEAR
Truck Equipment, LLC

Tool Boxes, Racks & Accessories

RÖCHLING
Engineering Plastics

Mud Flaps

RHD
BRAKE SHOES

Vanfastic Repair Panels

SAE Holland
Engineering Your Road To Success

Landing Gear, Suspensions,
Axles & Components

SAFE-T-SIGNAL

Lighting Products

sapa:
INDALEX
ALUMINUM SOLUTIONS

Aluminum Extrusions

SEALCO

Air Brake & Electrical
Products

SEAL-GAP
ROOF SEALER

Roof Sealant

SEYMOUR

Paint

SMP
SHORELINE
products

U Bolt Kits

Sika

Sealants & Adhesives



Converter Dollies



Suspension & Brake Parts



Wheel Seals & Hubcaps



Air Brake & Electrical Products



Leaf Springs



STEEL OF WEST VIRGINIA, INC.

Steel Crossmembers



Bearings & Seals, Hubdometers



Beverage Body Components



Van Body Parts & Accessories



Lighting Products



Air Brake & Electrical Products



Lift Gates & Parts



Wheel Bearings



Roll Up Doors & Parts



Air Brake & Electrical Products



Roll Up Doors & Parts



Trailer Skirts



Wheel Seals



Lighting Products



Wheel Bearings



Brake Chambers



Air Brake & Electrical Products



Mud Flaps



Liftgates & Parts



Hubs



Lubricants



Hubs, Spoke Wheels, Drums



Roll Up Doors, Swing Door Blanks



Material Safety Data Sheet International Truck and Engine Corporation
 4201 Winfield Road
 Warrenville, IL 60555 USA



Part No. EX16B ZBD16TF MF31BS MF31CS MF31DS
 The MSDS was received from Exide as current on February 19, 2008.

I. PRODUCT IDENTIFICATION

MANUFACTURER Exide Technologies 13000 Deerfield Parkway, Bldg. 200 Alpharetta, GA 30004	CHEMICAL/TRADE NAME (as used on label)	Lead-Acid Battery
FOR INFORMATION Primary: MACTEC Engineering and Consulting, Inc. Attention: DeLyn Thompson (770) 421-3364 Secondary: Environmental, Safety & Health Attention: Eric Murray (800) 523-4622 Fred Ganster (610) 921-4052	CHEMICAL FAMILY/ CLASSIFICATION	Electric Storage Battery
FOR EMERGENCY CHEMTREC (800) 424-9300 24-hour Emergency Response Contact Ask for Environmental Coordinator	DATE ISSUED:	February 1, 2008
		Page 1 of 5
	CHEMTREC INTERNATIONAL	(703) 527-3887 – Collect

II. HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Components	CAS Number	% by Wt.	Approximate Air Exposure Limits (µg/m ³)		
			OSHA	ACGIH	NIOSH
Inorganic compounds of:					
Lead	7439-92-1	54-62	50	50	50
Antimony	7440-36-0	0.4	500	500	500
Tin	7440-31-5	0.16	2000	2000	2000
Calcium	7440-70-2	0.02	-	-	-
Arsenic	7440-38-2	0.01	10	10	2
Electrolyte (sulfuric acid/water/solution)	7664-93-9	26-40	1000	200	1000
Case Material:					
Polypropylene	9003-07-0	5-12	N/A	N/A	N/A
Hard Rubber	--	--	--	--	--
Plate separator material:					
Polyethylene	9002-88-4	1-2	N/A	N/A	N/A

NOTE: Inorganic lead and electrolyte (water and sulfuric acid solution) are the primary components of every battery manufactured by Exide Technologies or its subsidiaries. Other ingredients may be present dependent upon battery type. Polypropylene is the principal case material of automotive and commercial batteries.

III. PHYSICAL DATA - ELECTROLYTE

Boiling Point	203° F-240° F (for S.G. range)	Specific Gravity (H ₂ O=1)	1.230 to 1.350
Melting Point	Not Applicable	Vapor Pressure (mm Hg) 77° F	17 to 11 (for S.G. range)
Solubility in Water	100%	Vapor Density (AIR=1)	Greater than 1
Evaporation Rate (Butyl acetate=1)	Less Than 1	% Volatiles by Weight	Not Applicable
Appearance and Odor	A clear liquid with a sharp, penetrating, pungent odor. A battery is a manufactured article; no apparent odor.		

IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point: Not Applicable
Flammable Limits: LEL = 4.1% (Hydrogen Gas in air); UEL = 74.2%
Extinguishing media: CO₂; foam; dry chemical

Special Fire Fighting Procedures: Use positive pressure, self-contained breathing apparatus. Beware of acid splatter during water application and wear acid-resistant clothing, gloves, face and eye protection. If batteries are on charge, shut off power to the charging equipment, but, note that strings of series connected batteries may still pose risk of electric shock even when charging equipment is shut down.

IV. FIRE AND EXPLOSION HAZARD DATA (CONTINUED)

Unusual Fire and Explosion Hazards: In operation, batteries generate and release flammable hydrogen gas. They must always be assumed to contain this gas which, if ignited by burning cigarette, naked flame or spark, may cause battery explosion with dispersion of casing fragments and corrosive liquid electrolyte. Carefully follow manufacturer's instructions for installation and service. Keep away all sources of gas ignition and do not allow metallic articles to simultaneously contact the negative and positive terminals of a battery.

V. REACTIVITY DATA

Stability: Stable X
Unstable

Conditions to Avoid: Prolonged overcharge at high current; sources of ignition.

Incompatibility: (materials to avoid)

Electrolyte: Contact with combustibles and organic materials may cause fire and explosion. Also reacts violently with strong reducing agents, metals, sulfur trioxide gas, strong oxidizers, and water. Contact with metals may produce toxic sulfur dioxide fumes and may release flammable hydrogen gas.

Lead compounds: Avoid contact with strong acids, bases, halides, halogenates, potassium nitrate, permanganate, peroxides, nascent hydrogen, and reducing agents.

Hazardous Decomposition Products:

Electrolyte: Sulfur trioxide, carbon monoxide, sulfuric acid mist, sulfur dioxide, hydrogen sulfide.

Lead compounds: Temperatures above the melting point are likely to produce toxic metal fume, vapor, or dust; contact with strong acid or base or presence of nascent hydrogen may generate highly toxic arsine gas.

VI. HEALTH HAZARD DATA

Routes of Entry:

Electrolyte: Harmful by all routes of entry.

Lead compounds: Hazardous exposure can occur only when product is heated above the melting point, oxidized or otherwise processed or damaged to create dust, vapor, or fume.

Inhalation:

Electrolyte: Breathing of sulfuric acid vapors or mists may cause severe respiratory irritation.

Lead compounds: Inhalation of lead dust or fumes may cause irritation of upper respiratory tract and lungs.

Ingestion:

Electrolyte: May cause severe irritation of mouth, throat, esophagus, and stomach.

Lead compounds: Acute ingestion may cause abdominal pain, nausea, vomiting, diarrhea, and severe cramping. This may lead rapidly to systemic toxicity.

Skin Contact:

Electrolyte: Severe irritation, burns, and ulceration.

Lead compounds: Not absorbed through the skin.

Eye Contact:

Electrolyte: Severe irritation, burns, cornea damage, blindness.

Lead compounds: May cause eye irritation.

Effects of Overexposure - Acute:

Electrolyte: Severe skin irritation, damage to cornea may cause blindness, upper respiratory irritation.

Lead compounds: Symptoms of toxicity include headache, fatigue, abdominal pain, loss of appetite, muscular aches and weakness, sleep disturbances, and irritability.

Effects of Overexposure - Chronic:

Electrolyte: Possible erosion of tooth enamel; inflammation of nose, throat, and bronchial tubes.

VI. HEALTH HAZARD DATA (CONTINUED)

Lead compounds: Anemia; neuropathy, particularly of the motor nerves, with wrist drop; kidney damage; reproductive changes in both males and females.

Carcinogenicity:

Electrolyte: The National Toxicology Program (NTP) and the International Agency for Research on Cancer (IARC) have classified "strong inorganic acid mist containing sulfuric acid" as a substance that is carcinogenic to humans. This classification does not apply to sulfuric acid solutions in static liquid state or to electrolyte in batteries. Batteries subjected to abusive charging at excessively high currents for prolonged periods of time without vent caps in place may create a surrounding atmosphere of the offensive strong inorganic acid mist containing sulfuric acid.

Lead compounds: Listed as a 2B carcinogen, likely in animals at extreme doses. Proof of carcinogenicity in humans is lacking at present.

Arsenic: Listed by International Agency for Research on Cancer (IARC), OSHA and NIOSH as a carcinogen only after prolonged exposure at high levels.

Medical Conditions Generally Aggravated by Exposure:

Overexposure to sulfuric acid mist may cause lung damage and aggravate pulmonary conditions. Contact of electrolyte (water and sulfuric acid solution) with skin may aggravate skin diseases such as eczema and contact dermatitis. Contact of electrolyte (water and sulfuric acid solution) with eyes may damage cornea and/or cause blindness. Lead and its compounds can aggravate some forms of kidney, liver, and neurologic diseases.

Emergency and First Aid Procedures

Inhalation: Electrolyte: Remove to fresh air immediately. If breathing is difficult, give oxygen.

Lead compounds: Remove from exposure, gargle, wash nose and lips; consult physician.

Ingestion: Electrolyte: Give large quantities of water; do not induce vomiting; consult physician.

Lead compounds: Consult physician immediately.

Skin: Electrolyte: Flush with large amounts of water for at least 15 minutes; remove contaminated clothing completely, including shoes.

Lead compounds: Wash immediately with soap and water.

Eyes: Electrolyte and Lead compounds: Flush immediately with large amounts of water for at least 15 minutes; consult physician immediately.

VII. PRECAUTIONS FOR SAFE HANDLING AND USE

Handling and Storage:

Store batteries under roof in cool, dry, well-ventilated areas that are separated from incompatible materials and from activities that may create flames, spark, or heat. Store on smooth, impervious surfaces that are provided with measures for liquid containment in the event of electrolyte spills. Keep away from metallic objects that could bridge the terminals on a battery and create a dangerous short-circuit. Handle carefully and avoid tipping, which may allow electrolyte leakage. Single batteries pose no risk of electric shock but there may be increasing risk of electric shock from strings of connected batteries exceeding three 12-volt units.

Charging:

There is a possible risk of electric shock from charging equipment and from strings of series connected batteries, whether or not being charged. Shut-off power to chargers whenever not in use and before detachment of any circuit connections. Batteries being charged will generate and release flammable hydrogen gas. Charging space should be ventilated. Keep battery vent caps in position. Prohibit smoking and avoid creation of flames and sparks nearby. Wear face and eye protection when near batteries being charged.

Spill or Leak Procedures:

Stop flow of material, contain/absorb small spills with dry sand, earth, and vermiculite. Do not use combustible materials. If possible, carefully neutralize spilled electrolyte with soda ash, sodium bicarbonate, lime, etc. Wear acid-resistant clothing, boots, gloves, and face shield. *Do not allow discharge of un-neutralized acid to sewer.* Neutralized acid must be managed in accordance with approved local, state, and federal requirements. Consult state environmental agency and/or federal EPA.

Waste Disposal Methods:

Spent batteries: Send to secondary lead smelter for recycling.

VII. PRECAUTIONS FOR SAFE HANDLING AND USE (CONTINUED)

Electrolyte: Place neutralized slurry into sealed acid resistant containers and dispose of as hazardous waste, as applicable. Large water diluted spills, after neutralization and testing, should be managed in accordance with approved local, state, and federal requirements. Consult state environmental agency and/or federal EPA.

Precautionary Labeling:

POISON - CAUSES SEVERE BURNS
DANGER - EXPLOSIVE GASES

CORROSIVE - CONTAINS SULFURIC ACID
KEEP AWAY FROM CHILDREN

VIII. CONTROL MEASURES

Engineering Controls and Work Practices:

Store and handle in well-ventilated area. If mechanical ventilation is used, components must be acid-resistant. Handle batteries cautiously, do not tip to avoid spills. Make certain vent caps are on securely. If battery case is damaged, avoid bodily contact with internal components. Wear protective clothing, eye and face protection, when filling, charging, or handling batteries.

Respiratory Protection:

None required under normal conditions. When concentrations of sulfuric acid mist are known to exceed PEL, use NIOSH or MSHA-approved respiratory protection.

Protective gloves:

Rubber or plastic acid-resistant gloves with elbow-length gauntlet.

Eye Protection:

Chemical goggles or face shield.

Other Protection:

Acid-resistant apron. Under severe exposure or emergency conditions, wear acid-resistant clothing, gloves, and boots.

Emergency Flushing:

In areas where water and sulfuric acid solutions are handled in concentrations greater than 1%, emergency eyewash stations and showers should be provided, with unlimited water supply.

IX. OTHER REGULATORY INFORMATION

NFPA Hazard Rating for sulfuric acid:

Flammability (Red)	=	0
Health (Blue)	=	3
Reactivity (Yellow)	=	2

Sulfuric acid is water-reactive if concentrated.

TRANSPORTATION: Wet (filled with electrolyte) batteries are regulated by U.S. DOT as a hazardous material, as provided in 49 CFR 173.159

Proper Shipping Name:	Battery, wet, filled with acid
Hazard Class/Division:	8
ID Number:	UN2794
Packing Group:	III
Label Required:	Corrosive

RCRA: Spent lead-acid batteries are not regulated as hazardous waste when recycled. Spilled sulfuric acid is a characteristic hazardous waste; EPA hazardous waste number D002 (corrosivity).

CERCLA (Superfund) and EPCRA:

- Reportable Quantity (RQ) for spilled 100% sulfuric acid under CERCLA (Superfund) and EPCRA (Emergency Planning and Community Right to Know Act) is 1,000 lbs. State and local reportable quantities for spilled sulfuric acid may vary.
- Sulfuric acid is a listed "Extremely Hazardous Substance" under EPCRA, with a Threshold Planning Quantity (TPQ) of 1,000 lbs.
- EPCRA Section 302 notification is required if 1,000 lbs or more of sulfuric acid is present at one site. An average automotive/commercial battery contains approximately 5 lbs of sulfuric acid. Contact your Exide representative for additional information.
- EPCRA Section 312 Tier Two reporting is required for non-automotive batteries if sulfuric acid is present in quantities of 500 lbs or more and/or if lead is present in quantities of 10,000 lbs or more.

IX. OTHER REGULATORY INFORMATION (CONTINUED)

(c) **Supplier Notification:** This product contains toxic chemicals that may be reportable under EPCRA Section 313 Toxic Chemical Release Inventory (Form R) requirements. For a manufacturing facility under SIC codes 20 through 39, the following information is provided to enable you to complete the required reports:

<u>Toxic Chemical</u>	<u>CAS Number</u>	<u>Approximate % by Weight</u>
Lead	7439-92-1	54-62
Sulfuric Acid/Water Solution	7664-93-9	26-40
*Antimony	7440-36-0	0.4
*Arsenic	7440-38-2	0.01

*Not present in all battery types. Contact your Exide representative for additional information.

If you distribute this product to other manufacturers in SIC Codes 20 through 39, this information must be provided with the first shipment of each calendar year.

Note: The Section 313 supplier notification requirement does not apply to batteries that are "consumer products".

CAA:

Exide Technologies supports preventative actions concerning ozone depletion in the atmosphere due to emissions of CFC's and other ozone depleting chemicals (ODC's), defined by the USEPA as Class I substances. Pursuant to Section 611 of the Clean Air Act Amendments (CAAA) of 1990, finalized on January 19, 1993, Exide established a policy to eliminate the use of Class I ODC's prior to the May 15, 1993 deadline.

TSCA:

Ingredients in Exide's batteries are listed in the TSCA Registry as follows:

	<u>CAS NO.</u>	<u>TSCA Status</u>
Electrolyte: Sulfuric acid (H ₂ SO ₄)	7664-93-9	Listed
Inorganic Lead Compound		
Lead (Pb)	7439-92-1	Listed
Lead Oxide (PbO)	1317-36-8	Listed
Lead Sulfate (PbSO ₄)	7446-14-2	Listed
Antimony (Sb)	7440-36-0	Listed
Arsenic (As)	7440-38-2	Listed
Calcium (Ca)	7440-70-2	Listed
Tin (Sn)	7440-31-5	Listed

CANADIAN REGULATIONS:

All chemical substances in this product are listed on the CBPA DSL/NDSL or are exempt from list requirements.

CALIFORNIA PROPOSITION 65: "WARNING: This product contains lead, a chemical known to the State of California to cause cancer, or birth defects or other reproductive harm."

PREPARED BY: ENVIRONMENTAL, SAFETY AND HEALTH DEPARTMENT
 EXIDE TECHNOLOGIES
 13000 DEERFIELD PKWY., BLDG. 200
 ALPHARETTA, GA 30004

VENDOR AND THIRD PERSONS ASSUME THE RISK OF INJURY PROXIMATELY CAUSED BY THE MATERIAL IF REASONABLE SAFETY PROCEDURES ARE NOT FOLLOWED AS PROVIDED FOR IN THE DATA SHEET, AND VENDOR SHALL NOT BE LIABLE FOR INJURY TO VENDOR OR THIRD PERSONS PROXIMATELY CAUSED BY ABNORMAL USE OF THE MATERIAL EVEN IF REASONABLE PROCEDURES ARE FOLLOWED.

ALL PERSONS USING THIS PRODUCT, ALL PERSONS WORKING IN AN AREA WHERE THIS PRODUCT IS USED, AND ALL PERSONS HANDLING THIS PRODUCT SHOULD BE FAMILIAR WITH THE CONTENTS OF THIS DATA SHEET. THIS INFORMATION SHOULD BE EFFECTIVELY COMMUNICATED TO EMPLOYEES AND OTHERS WHO MIGHT COME IN CONTACT WITH THE PRODUCT.

WHILE THE INFORMATION ACCUMULATED AND SET FORTH HEREIN IS BELIEVED TO BE ACCURATE AS OF THE DATE HEREOF, EXIDE TECHNOLOGIES MAKES NO WARRANTY WITH RESPECT THERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON. RECIPIENTS ARE ADVISED TO CONFIRM IN ADVANCE OF NEED THAT THE INFORMATION IS CURRENT, APPLICABLE, AND SUITABLE FOR THEIR PARTICULAR CIRCUMSTANCES.

ANY PHOTOCOPY MUST BE OF THIS ENTIRE DOCUMENT



Material Safety Data Sheet International Truck and Engine Corporation
 4201 Winfield Road
 Warrenville, IL 60555 USA

Part No. 991884C2 991885C2 991886C2 2595310C1

The MSDS was received from Cognis as current on April 10, 2007.

PRODUCT: FLEETRITE HEAVY DUTY SAE 50
 SYNTHETIC MANUAL TRANSMISSION LUBE

SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER..... Cognis Canada Corporation
 2290 Argentia Road
 MISSISSAUGA, ON L5N 6H9
 Phone: 905-542-7554; AFTER HOURS: 905-542-7550

EMERGENCY NUMBERS..... CANUTEC; 613-996-6666

PRODUCT NAME..... FLEETRITE HEAVY DUTY SAE 50
 SYNTHETIC MANUAL TRANSMISSION LUBE

PRODUCT USE..... Lubricant

PRODUCT DESCRIPTION..... Synthetic lubricant

PREPARED BY..... Regulatory Affairs
 Phone: 905-542-7554; Fax: 905-542-7588

MSDS REVISION DATE..... 03/27/2007

SECTION 02: COMPOSITION/INFORMATION ON INGREDIENTS

% WEIGHT/ WEIGHT	CAS# EXPOSURE LIMITS	LD50, ROUTE, SPECIES	LC50, ROUTE, SPECIES
---------------------	-------------------------	----------------------	----------------------

Considered non-hazardous as per WHMIS regulations.

SECTION 03: HAZARDS IDENTIFICATION

EFFECTS OF ACUTE EXPOSURE:
 May cause skin and eye irritation. May be harmful if swallowed in large quantities.

EFFECTS OF CHRONIC EXPOSURE:
 None Known.

* ROUTE OF ENTRY *

SKIN CONTACT:
 May cause skin irritation, especially on prolonged or repeated contact.

SKIN ABSORPTION:
 Not determined

EYE CONTACT:
 May cause eye irritation on prolonged or repeated exposure.

INHALATION:

PRODUCT: FLEETRITE HEAVY DUTY SAE 50
SYNTHETIC MANUAL TRANSMISSION LUBE

Inhalation of mist may cause irritation of the respiratory system.

INGESTION:

May be harmful if swallowed in large quantities.

PRIMARY ROUTES OF EXPOSURE:

Inhalation, Skin, Oral

OTHER HEALTH EFFECTS:

Repeated exposures to aerosols may result in lung damage.

=====
SECTION 04: FIRST AID MEASURES
=====

SKIN CONTACT:

Wash thoroughly with soap and water. If irritation should develop, seek medical attention.

EYE CONTACT:

Flush eyes with plenty of water for at least 15 minutes. Do not permit victim to rub eyes. Get medical attention immediately.

INHALATION:

Immediately remove victim to fresh air. If victim has stopped breathing give artificial respiration, preferably, mouth to mouth. Get medical attention immediately.

INGESTION:

Call a physician or poison control center immediately.

=====
SECTION 05: FIRE FIGHTING MEASURES
=====

FLASH POINT, METHOD..... >190.6 Deg C (Cleveland Open Cup)

LOWER FLAMMABLE LIMIT..... Not Applicable

UPPER FLAMMABLE LIMIT..... Not Applicable

AUTOIGNITION TEMPERATURE.... Not Determined

EXTINGUISHING MEDIA:

Carbon dioxide, Dry chemical, Foam, Water spray

SPECIAL FIRE FIGHTING PROCEDURES:

Use water spray, dry chemical, foam or carbon dioxide. Water may be ineffective but should be used to keep fire exposed containers cool. If a spill or leak has not ignited, use water spray to disperse the vapors. Water spray may be used to flush spills away from fire.

FLAMMABILITY CONDITIONS:

Not flammable.

UNUSUAL HAZARDS:

Perform only those fire fighting procedures for which you have been trained. Firefighters should wear self contained breathing apparatus in the positive pressure mode with a full facepiece when there is a possibility of exposure to smoke, fumes or hazardous decomposition products.

HAZARDOUS COMBUSTION PRODUCTS:

Carbon dioxide, carbon monoxide, oxides of nitrogen, sulfur and phosphorus.

* EXPLOSION DATA *

PRODUCT: FLEETRITE HEAVY DUTY SAE 50
SYNTHETIC MANUAL TRANSMISSION LUBE

SENSITIVITY TO STATIC DISCHARGE:

Not Applicable

SENSITIVITY TO MECHANICAL IMPACT:

Not Applicable

SECTION 06: ACCIDENTAL RELEASE MEASURES

PROCEDURES TO FOLLOW IN CASE OF LEAK OR SPILL:

Add dry material to absorb spill (if large spill, dike to contain). Using recommended protective equipment, pick up bulk of spill and containerize for recovery or disposal. Flush area with water to remove residues.

SECTION 07: HANDLING AND STORAGE

HANDLING PROCEDURES AND EQUIPMENT:

Avoid contact with eyes, skin and clothing. Avoid breathing mist, vapor or dust. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling. Avoid generating mist. Spilled material may be slippery. Clean up spills immediately before walking in spill area.

SECTION 08: EXPOSURE CONTROLS/PERSONAL PROTECTION

* PRECAUTIONARY MEASURES *

EYE/TYPE:

Safety glasses with side shields

GLOVES/TYPE:

Rubber gloves

RESPIRATORY/TYPE:

NIOSH/MSHA approved respirator if necessary. Follow manufacturer's recommendations.

ENGINEERING CONTROLS:

General ventilation.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE..... Liquid
APPEARANCE..... Reddish hue to light pale amber liquid
ODOUR..... Mild
ODOUR THRESHOLD..... Not Determined
pH..... Not Determined
MELTING POINT..... Not Determined
BOILING POINT..... Not Determined
SPECIFIC GRAVITY..... 0.861
SOLUBILITY IN WATER..... Negligible (< 0.1 %)
VAPOUR DENSITY..... Not Determined
VAPOUR PRESSURE..... Not Determined
EVAPORATION RATE

PRODUCT: FLEETRITE HEAVY DUTY SAE 50
SYNTHETIC MANUAL TRANSMISSION LUBE

(N-BUTYL ACETATE=1)..... Not determined
COEFFICIENT OF WATER/OIL
DISTRIBUTION..... Not Determined

=====
SECTION 10: STABILITY AND REACTIVITY
=====

REACTIVITY:

Normally Stable

~~HAZARDOUS POLYMERIZATION:~~

Will not occur.

~~INCOMPATIBLE MATERIALS:~~

Strong acids, bases and oxidizing agents.

~~CONDITION OF CHEMICAL UNSTABILITY:~~

Avoid contact with heat, sparks, flame and all sources of ignition.

~~HAZARDOUS DECOMPOSITION PRODUCTS:~~

Decomposition may produce oxides of carbon, nitrogen, sulfur and phosphorus.

=====
SECTION 11: TOXICOLOGICAL INFORMATION
=====

EXPOSURE LIMITS:

Mineral-oil mist exposure limits; PEL:5 mg/m3 (TWA), TLV:5 mg/m3 (TWA)

LD50 OF MATERIAL:

None known. Refer to Hazardous Ingredients, Section 2.

LC50 OF MATERIAL:

None known. Refer to Hazardous Ingredients, Section 2.

IRRITANCY OF MATERIAL:

Refer to Route of Entry, Section 3.

SENSITIZATION TO PRODUCT:

None known.

CARCINOGENICITY OF MATERIAL:

None known.

REPRODUCTIVE TOXICITY:

None known.

TERATOGENICITY OF MATERIAL:

None known.

MUTAGENICITY (AMES):

None known.

TOXICOLOGICAL SYNERGISTIC PRODUCTS:

None known.

=====
SECTION 12: ECOLOGICAL INFORMATION
=====

ECOLOGICAL TOXICITY:

Not Determined

ENVIRONMENTAL FATE:

Not Determined
=====

PRODUCT: FLEETRITE HEAVY DUTY SAE 50
SYNTHETIC MANUAL TRANSMISSION LUBE

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

In accordance with municipal, provincial, and federal regulations.

SECTION 14: TRANSPORT INFORMATION

~~TDG CLASSIFICATION..... NOT REGULATED BY THIS MODE OF TRANSPORTATION~~
SPECIAL SHIPPING

INSTRUCTIONS..... None

For more shipping data, see document at the end of MSDS sheets.

SECTION 15: REGULATORY INFORMATION

CEPA STATUS (DSL):

This product contains components which are subject to the New substances Notification regulations under the Canadian Environmental Protection Act (CEPA). Contact Cognis Canada Corporation Regulatory Affairs Department for additional information.

TSCA INVENTORY STATUS:

This product and/or all of its components are either included on or exempt from the TSCA Inventory of Chemical Substances.

WHMIS CLASS..... None

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation (CPR), and the MSDS contains all the information required by the CPR.

SECTION 16: OTHER INFORMATION

~~NEPA RATINGS: HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0 OTHER: None~~

DISCLAIMER:

All information, recommendations, and suggestions appearing herein concerning our product are based upon tests and data believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity, and suitability for his own use of the product described herein. Since the actual use by others is beyond our control, no guarantee, express or implied, is made by Cognis Canada Corporation as to the effects of such use, the results obtained, or the safety and toxicity of the product nor does Cognis Canada Corporation assume any liability arising out of use, by others, of the product referred to herein. The information herein is not to be construed as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.

MSDS REVISION DATE..... 03/27/2007
MSDS PRINT DATE..... 03/27/2007

Material Safety Data Sheet: AUTO054606

PRODUCT: FLEETRITE HEAVY DUTY SAE 50
SYNTHETIC MANUAL TRANSMISSION LUBE

CANUTEC EMERGENCY 613-996-6666

Cognis Canada Corporation
2290 Argentia Road
MISSISSAUGA, ONTARIO, CANADA L5N 6H9
905-542-7554; AFTER HOURS 905-542-7550

PRODUCT: FLEETRITE HEAVY DUTY SAE 50
SYNTHETIC MANUAL TRANSMISSION LUBE

SECTION 01: IDENTIFICATION DU PRODUIT CHIMIQUE ET DE LA COMPAGNIE

FABRICANT..... Cognis Canada Corporation
2290 Argentia Road
MISSISSAUGA, ON L5N 6H9
Phone: 905-542-7554; AFTER HOURS: 905-542-7550
NUMEROS D'URGENCE..... CANUTEC; 613-996-6666
NOM DE PRODUIT..... FLEETRITE HEAVY DUTY SAE 50
SYNTHETIC MANUAL TRANSMISSION LUBE

USAGE DE PRODUIT..... Lubrifiant
DESCRIPTION DE PRODUIT..... Lubrifiant de Synthetie
PREPARE PAR..... Affaires Reglementaires
Phone: 905-542-7554; Fax: 905-542-7588
DATE DU PREPARATION..... 03/27/2007

SECTION 02: COMPOSITION/INFORMATION SUR LES INGREDIENTS

% POIDS/ POIDS	#CAS LIMITES D'EXP	DI.50, VOIE, ESPECE	CI.50, VOIE, ESPECE
-------------------	-----------------------	---------------------	---------------------

N'est pas considere hasardeuse selon les regles SIMDUT.

SECTION 03: IDENTIFICATION DES RISQUES

EFFETS D'EXPOSITION AIGUE:

Peut provoquer une irritation a la peau et aux yeux. Peut etre nuisible s'il est avale en grande quantite.

EFFETS DE L'EXPOSITION CHRONIQUE:

Pas determine.

* VOIES D'EXPOSITION *

CONTACT AVEC LA PEAU:

Peut provoquer une irritation a la peau, surtout lors d'un contact prolonge ou repete.

ABSORPTION PAR LA PEAU:

Pas determine

CONTACT AVEC LES YEUX:

Peut provoquer une irritation aux yeux lors d'une exposition prolongee ou

PRODUCT: FLEETRITE HEAVY DUTY SAE 50
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repetee.

INHALATION:

L'inhalation des brumes peut provoquer une irritation du systeme respiratoire.

INGESTION:

Peut etre nuisible s'il est avale en grande quantite.

VOIES D'EXPOSITION:

Inhalation, Peau, Orale

L'AUTRE EFFET DE SANTE:

Les expositions répétées aux aérosols peuvent avoir comme conséquence des dommages de poumon.

SECTION 04: PREMIERS SOINS

CONTACT AVEC LA PEAU:

Se laver a fond avec de l'eau et du savon. S'il se produisent des symptomes d'irritation procurer des soins medicaux.

CONTACT AVEC LES YEUX:

Inonder a grande eau pendant au moins 15 minutes. Ne pas frotter les yeux. Procurer des soins medicaux sans delai.

INHALATION:

Sortir la victime toute de suite au grand air. Si les respirations ont cesse pratiquer la respiration artificielle, preferement bouche a bouche. Procurer des soins medicaux sans delai.

INGESTION:

Consulter un medecin ou un poste de traitement des intoxications sans delai.

SECTION 05: LUTTE CONTRE L'INCENDIE

POINT D'ECLAIR, METHODE..... >190,6, Deg, C (Cleveland, vase ouvert)

SEUIL MINIMAL D'INFLAMMABILITE... Non applicable

SEUIL MAXIMAL D'INFLAMMABILITE... Non applicable

TEMPERATURE D'AUTO-INFLAMMATION.. Non déterminé

MOYENS D'EXTINCTION:

Dioxyde de carbone, Chimique seche, Mousse, Vaporisateur d'eau

PROCÉDURES SPECIALES:

Employer eau pulverisee, produit chimique sec, mousse, ou gaz carbonique.

L'eau pourra etre inefficace mais on devrait l'employer pour refroidir les contenants exposes a l'incendie. Si une fuite ou un deversement ne s'est pas enflamme employer des pulverisations d'eau pour disperser les vapeurs. On peut employer l'eau pulverisee pour eloigner les deversements de l'incendie

CONDITIONS D'INFLAMMABILITE:

Non inflammable.

RISQUES PEU COMMUNS:

Suivre seulement les procedures de lutte contre l'incendie pour lesquelles vous avez reçu une formation. Les pompiers devront porter un appareil respiratoire autonome fonctionnant en mode de pression positive et muni d'un masque couvre-visage complet quand il existe la possibilite d'une exposition

PRODUCT: FLEETRITE HEAVY DUTY SAE 50
SYNTHETIC MANUAL TRANSMISSION LUBE

aux vapeurs, aux fumées ou aux produits de décomposition dangereux.
PRODUITS DE COMBUSTION DANGEREUX:
Gaz carbonique, monoxyde de carbone, oxydes d'azote, soufre et phosphore.

* DONNÉES SUR LES RISQUES D'EXPLOSION *

SENSIBILITE AUX DECHARGES STATIQUES:

Non applicable

SENSIBILITE AUX CHOCS:

Non applicable

SECTION 06: MARCHÉ À SUIVRE EN CAS DE DISPERSION ACCIDENTELLE

PROCÉDURES EN CAS DE FULTE:

Ajouter un produit sec pour absorber le déversement (pour un déversement important le restreindre par moyen d'une digue). Employer un équipement de protection anti-déflorant recommandé pour ramasser puis mettre dans un contenant pour récupération ou élimination. Inonder le lieu à l'eau pour enlever les résidus.

SECTION 07: MANUTENTION ET ENTREPOSAGE

PROCÉDURES DE MANUTENTION ET ÉQUIPEMENT:

Éviter un contact avec les yeux, la peau et les vêtements. Éviter de respirer les vapeurs, brouillards, ou les poussières. Garder le contenant fermé. Employer sous une aération suffisante. Se laver à fond après la manutention. Éviter de générer les vapeurs ou les brouillards. La matière déversée peut être glissante. Faire le nettoyage des déversements sans délai avant de marcher dans le lieu du déversement.

SECTION 08: CONTRÔLE DE L'EXPOSITION/PROTECTION INDIVIDUELLE

* MESURES DE PRECAUTION *

YEUX/TYPE:

Lunettes de protection muni d'écrans latéraux.

GANTS/TYPE:

Gants en caoutchouc.

RÉSPIRATOIRE/TYPE:

Respirateur homologué par le NIOSH-MSHA si nécessaire. Suivre les recommandations du fabricant.

LA COMMANDE D'ART DE L'INGÉNIEUR:

Echappement local.

SECTION 09: PROPRIÉTÉS PHYSIQUES ET CHIMIQUES

ÉTAT PHYSIQUE..... Liquide
APPARENCE..... Liquide foncé
ODEUR..... Odeur douce

PRODUCT: FLEETRITE HEAVY DUTY SAE 50
SYNTHETIC MANUAL TRANSMISSION LOBE

SUEIL DE L'ODEUR..... Non déterminé
pH..... Non déterminé
POINT DE FUSION..... Non déterminé
POINT D'EBULLITION..... Non déterminé
POIDS SPECIFIQUE..... 0.861
SOLUBILITY DANS L'EAU..... Négligeable (<0.1%)
DENSITE DE VAPEUR..... Non déterminé
TENSION DE VAPEUR..... Non déterminé
TAUX D'EVAPORATION
(ACETATE DE BUTYL=1)..... Non déterminé
COEFFICIENT DE REPARTITION
EAU/HUILE..... Non déterminé

SECTION 10: STABILITE ET REACTIVITE

REACTIVITE:

Le Produit est Stable

POLYMERISATION DANGEREUSE:

Ne se produira pas

INCOMPATIBILITE:

Les acides forts, les bases fortes et les agents oxydants forts.

CONDITIONS DE CHIMIQUE INSTABILITE:

Eviter un contact avec la chaleur, les étincelles, les flammes et toute source d'ignition.

PRODUITS DANGEREUX DE DECOMPOSITION:

La décomposition peut produire des oxydes de carbone, d'azote, de soufre et de phosphore.

SECTION 11: INFORMATION TOXICOLOGIQUE

LIMITE D'EXPOSITION:

D'huile minérale brune; PEL: 5mg/m3(TWA), TLV: 5mg/m3 (TWA)

DL50 DU PRODUIT:

Aucun connu. Voir Section 2, Ingrédients Dangereux.

CL50 DU PRODUIT:

Aucun connu. Voir Section 2, Ingrédients Dangereux.

IRRITATION PAR LE PRODUIT:

Voir Section 3, Voies d'exposition.

CAPACITE DE SENSIBILISATION DU PRODUIT:

Aucun connu.

CANCEROGENICITE DU PRODUIT:

Aucun connu.

EFFETS DE REPRODUCTION:

Aucun connu.

TERATOGENICITE DU PRODUIT:

Aucun connu.

MUTAGENICITE (AMES):

Aucun connu.

PRODUITS SYNERGIQUES:

PRODUCT: FLEETRITE HEAVY DUTY SAE 50
SYNTHETIC MANUAL TRANSMISSION LUBE

Aucun connu.

SECTION 12: INFORMATION ECOLOGIQUE

ECOLOGIQUE TOXICITE:
Non déterminé
ENVIRONNEMENT DESTIN:
Non déterminé

SECTION 13: ELIMINATION DU PRODUIT

EVACUATION DES DECHETS:
Selon les reglements municipaux, provinciaux et federaux.

SECTION 14: INFORMATION SUR LE TRANSPORT

CLASSIFICATION DU T.M.D. . . . NON REGLEMENTE
INSTRUCTIONS SPECIALES
POUR L'EXPEDITIONS Aucun

SECTION 15: INFORMATION SUR LA REGLEMENTATION

LCPE (LIST INTERIEURE):
Ce produit contient des composants qui sont sujets aux le Règlement sur les renseignements concernant les substances nouvelles sous la Loi Canadienne sur la protection de l'environnement. Contactez Cognis Canada Corporation, département d'affaires réglementaires pour des informations additionnelles.
TSCA INVENTAIRE:
Ce produit et/ou tous ses composants sont inclus sur l'Inventaire des substances chimiques de la TSCA.

CLASSIFICATION DU SIMDUT Aucun

Ce produit a été classé conformément aux critères de danger énoncés dans le Règlement sur les produits contrôlés et la fiche signalétique contient tous les renseignements exigés par le Règlement sur les produits contrôlés.

SECTION 16: RENSEIGNEMENTS DIVERS

NEPA CARACTERISTIQUES:
SANTÉ: 17 INFLAMMABILITE: 1 REACTIVITE: 0 AUTRES: AUCUN

DESAVFVU:
Toutes les informations, recommandations et suggestions décrites concernant notre produit sont basées sur des tests et données fiables. Cependant, c'est la responsabilité de l'utilisateur de déterminer la sécurité, toxicité et la

PRODUCT: FLEETRITE HEAVY DUTY SAE 50
SYNTHETIC MANUAL TRANSMISSION LUBE

convenance du produit decrit pour son usage personnel. Comme l'usage actuel du produit par d'autres personnes est hors de notre controle, Cognis Canada Corporation n'offre pas de garantie d'aucune sorte - exprimee ou implicite - en ce qui concerne l'information decrite sur les effets lors d'usage, les resultats obtenus ou la securite et toxicite du produit; de plus Cognis Canada Corporation n'assume aucune responsabilite derivant de l'usage de ce produit par d'autres personnes. L'information decrite n'est pas necessairement complete etant donne que de l'information supplementaire peut etre requise ou desirable lors d'usages particuliers ou si des conditions exceptionnelles se presentent ou pour repondre a des lois ou reglements gouvernementaux.

DATE DU PREPARATION..... 03/27/2007
DATE D'IMPRESSION..... 03/27/2007

URGENCE CANUTEC 613-996-6666



COGNIS MEXICANA, S.A. DE C.V.
HOJAS DE DATOS DE SEGURIDAD

Grado de Riesgo	
SALUD	1
Inflamabilidad	1
Reactividad	0
Equipo de Protección	C
Riesgo Especial	---

EMGARD SAE 50

División: FP
 Página 01 de 03

Sección 1. DATOS GENERALES DEL RESPONSABLE DE LA SUSTANCIA QUÍMICA

1.1. Nombre del fabricante o Importador: COGNIS MEXICANA S.A. de C.V.
 1.2. En caso de emergencia, comuníquese al teléfono: 6836-14-00 EXT. 1423 Fax: 5636-13-96
 1.3. Domicilio Completo: Carretera de la Viga s/n Fracc. Los Laureles, Loc. Tulpellao C.P. 55000 Ecatepec de Morelos Edo. México; MÉXICO

Sección 2. DATOS GENERALES DE LA SUSTANCIA QUÍMICA

2.1. Nombre Comercial del producto: EMGARD SAE 50
 2.2. Nombre químico: Mezcla No. C.A.S.: N. A. Mezcla
 2.3. Familia química: Poli Alfa Olefinas 2.4. Sinónimos: N. D.
 2.5. Clasificación GHS: No Peligroso
 2.6. Otros datos: N. D.

Sección 3. IDENTIFICACIÓN DE COMPONENTES PELIGROSOS

Primer Componente

3.1.1.a. Nombre del componente: N. A.
 3.1.1.b. Porcentaje del componente: N. A. 3.1.2. No. C.A.S.: N. A. 3.1.3. No. O.N.U. N. A.
 3.1.4.a. Concentración Promedio Ponderada en el Tiempo (LMPE-PPT): N. A.
 3.1.4.b. Concentración Corto Tiempo (LMPE-CT): N. A. 3.1.4.c. Concentración Pico (LMPE-P): N. A.
 3.1.5. Concentración de Sustancias Inmediatamente Peligrosas para la Vida o la Salud (I.P.V.S.): N. A.
 3.1.6. Grados de riesgo: Salud: N. A. Inflamabilidad: N. A. Reactividad: N. A. Especial: N. A.

Segundo Componente

3.1.1.a. Nombre del componente: N. A.
 3.1.1.b. Porcentaje del componente: N. A. 3.1.2. No. C.A.S.: N. A. 3.1.3. No. O.N.U. N. A.
 3.1.4.a. Concentración Promedio Ponderada en el Tiempo (LMPE-PPT): N. A.
 3.1.4.b. Concentración para Corto Tiempo (LMPE-CT): N. A. 3.1.4.c. Concentración Pico (LMPE-P): N. A.
 3.1.5. Concentración de Sustancias Inmediatamente Peligrosas para la Vida o la Salud (I.P.V.S.): N. A.
 3.1.6. Grados de riesgo: Salud: N. A. Inflamabilidad: N. A. Reactividad: N. A. Especial: N. A.

Tercer Componente

3.1.1.a. Nombre del componente: N. A.
 3.1.1.b. Porcentaje del componente: N. A. 3.1.2. No. C.A.S.: N. A. 3.1.3. No. O.N.U. N. A.
 3.1.4.a. Concentración Promedio Ponderada en el Tiempo (LMPE PPT): N. A.
 3.1.4.b. Concentración para Corto Tiempo (LMPE-CT): N. A. 3.1.4.c. Concentración Pico (LMPE-P): N. A.
 3.1.5. Concentración de Sustancias Inmediatamente Peligrosas para la Vida o la Salud (I.P.V.S.): N. A.
 3.1.6. Grados de riesgo: Salud: N. A. Inflamabilidad: N. A. Reactividad: N. A. Especial: N. A.

Equipo de Protección Personal adecuado: Lentes de Seguridad, Guantes, Delantal Sintético
 Observaciones: Evite en lo posible el contacto con los ojos, evita mezclar Lubricantes Sintéticos con Lubricantes de Origen Mineral.



COGNIS MEXICANA, S.A. DE C.V.
HOJAS DE DATOS DE SEGURIDAD

EMGARD SAE 50

Grado de Riesgo	
Salud	1
Inflamabilidad	1
Reactividad	0
Equipo de protección	0
Riesgo Especial	---

Fecha de elaboración: 13/00/2004

No. SAP: 872043, 872045, 872046, 802755, 879370,
879360, 888318, 888317, 879371, 879299, 879374

Última revisión: 02/05/2000 10:20:14 a.m.

División: FP
 Página 02 de 03

Sección 4. PROPIEDADES FÍSICO-QUÍMICAS

4.1. Temperatura de ebullición (°C): N. D.	4.7.c. Olor: Dulce
4.2. Temperatura de fusión (°C): N. D.	4.7.d. Ph: N. D.
4.3. Temperatura de inflamación (°C): N. D.	4.9. Velocidad de evaporación (butil-acetato=1): N. D.
4.4. Temperatura de autoignición (°C): N. D.	4.10. Solubilidad en agua: Despreciable < 0.1%
4.5. Densidad relativa: 0.92 g/cc @20°C	4.11. Presión de vapor (mmHg °C): N. D.
4.6. Densidad de vapor (aire=1): N. D.	4.12. Porcentaje de volatilidad: N. D.
4.7. Peso molecular: N. D.	4.13.a. Límite de inflamabilidad inferior (%): N. D.
4.7.a. Estado físico: Líquido	4.13.b. Límite de inflamabilidad superior (%): N. D.
4.7.b. Color: Oscuro	4.14.a. Límite de explosividad inferior (%): N. D.
	4.14.b. Límite de explosividad superior (%): N. D.
4.15. Otras Propiedades: Flash Point: 800 °F (Pensky-Martens Closed Cup)	

Sección 5. RIESGOS DE FUEGO Y EXPLOSIÓN.

5.1. Medios de extinción: Polvo Químico Seco; Agua Espreada; Espuma y Dióxido de Carbono.
 5.2. Equipo de Protección Personal: Emplear un equipo de respiración de presión positiva. Emplear equipo convencional de combate contra incendios que incluya overol, abrigo, casco, botas y guantes apropiados. Si este equipo no está disponible, el combate al fuego debe realizarse a una distancia segura.
 5.3. Procedimientos y precauciones especiales en el combate de incendios: Desarrolle únicamente aquellos procedimientos de combate contra incendio en los que ha sido capacitado. Poner señales en la zona de peligro, alejar a las personas extrañas a la zona de peligro. Evitar inhalación de humos, mantener los contenedores fríos empleando agua espreada.
 5.4. Condiciones que conducen a otro riesgo especial: Evitar flama directa y cualquier otra fuente de ignición. Nunca porte o aplique soldadura a los contenedores (aún vacíos) porque el producto (o sus residuos) pueden incendiarse y eventualmente explotar.
 5.5. Productos de la combustión nocivos para la salud: Monóxido de carbono, dióxido de carbono, humos y vapores irritantes. Oxido de Nitrógeno, Azufre y Fósforo.

Sección 6. DATOS DE REACTIVIDAD

6.1. Estabilidad de la sustancia: Estable en condiciones normales de operación.
 6.2. Condiciones a evitar: Calentamiento directo, contaminación química, exposición al sol, a radiación ultravioleta o ionizante, Chispas y otros medios de ignición.
 6.3. Incompatibilidad: Ácidos fuertes, bases fuertes y agentes fuertemente oxidantes.
 6.4. Productos peligrosos de la descomposición: Cuando se calienta hasta descomposición puede producir: Monóxido de carbono, dióxido de carbono, humos y vapores irritantes. Oxido de Nitrógeno, Azufre y Fósforo.
 6.5.a. Polimerización espontánea: No ocurre.
 6.5.b. Condiciones a evitar: Materiales incompatibles, calor y fuentes de ignición.

Sección 7. RIESGOS PARA LA SALUD

Sección 7.a. EFECTOS A LA SALUD

7.a.1.a. Exposición aguda, Ingestión: Puede ser peligroso en grandes dosis.
 7.a.1.b. Exposición aguda, Inhalación: No existe información disponible.
 7.a.1.c. Exposición aguda, contacto con la piel: Puede causar irritación ligera, especialmente en contactos repetidos y/o prolongados.
 7.a.1.d. Exposición aguda, contacto con los ojos: Puede causar irritación ligera, especialmente en contactos repetidos y/o prolongados.
 7.a.2.a. Exposición crónica, Ingestión: Ninguno conocido.
 7.a.2.b. Exposición crónica, Inhalación: Ninguno conocido.
 7.a.2.c. Exposición crónica, contacto con la piel: Ninguno conocido.
 7.a.2.d. Exposición crónica, contacto con los ojos: Ninguno conocido.
 7.a.3.a. Sustancia considerada como (cancerígena,...): Ninguna conocida.
 7.a.3.b. Considerado por la norma mexicana NOM-010-STPS: No es considerado como cancerígeno.

R

Material Safety Data Sheet Navistar Inc
 4201 Winfield Road
 Warrenville, IL 60555 USA

Part No. 221054C2 291067C2
 The MSDS was received from Sopus Products as current on April 4, 2008.
 The MSDS was not available in French or Spanish.



Review Date: 01/07/2005

SECTION 1

PRODUCT AND COMPANY IDENTIFICATION

PRODUCT: QUAKER STATE® FCI HD Universal Tractor Hydraulic/Transmission Oil

MSDS NUMBER: 615123LU - 1

PRODUCT CODE(S): 11051, 31919, 5044486, 6126

PRODUCT USE: Hydraulic Oil

MANUFACTURER

SOPUS Products
P.O. Box 4427
Houston, TX. 77210-4427

TELEPHONE NUMBERS

Spill Information: (877) 242-7400
Health Information: (877) 504-9351
MSDS Assistance Number: (877) 276-7285

SECTION 2

PRODUCT/INGREDIENTS

INGREDIENTS

INGREDIENTS	CAS#	CONCENTRATION
Transmission & Hydraulic Fluid		
Highly refined petroleum oils	Mixture	90 - 99 %weight
Zinc Dialkyldithiophosphate	68649-42-3	1 - 3 %weight
Additives	Mixture	1 - 3 %weight

SECTION 3

HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Appearance & Odor: Amber, clear liquid. Petroleum oil odor.

Health Hazards: No known immediate health hazards. High-pressure injection under the skin may cause serious damage.

Physical Hazards: No known physical hazards.

NFPA Rating (Health, Fire, Reactivity): 1, 1, 0

Hazard Rating: Least - 0 Slight - 1 Moderate - 2 High - 3 Extreme - 4

Route(s) of Exposure: Eye, Inhalation, Skin

Inhalation:

Inhalation of vapors (generated at high temperatures only) or oil mist may cause mild irritation of the nose, throat, and respiratory tract.

Eye Irritation:

Lubricating oils are generally considered no more than minimally irritating to the eyes.

Skin Contact:

Lubricating oils are generally considered no more than minimally irritating to the skin. Prolonged and repeated contact may result in defatting and drying of the skin that may cause various skin disorders such as dermatitis, folliculitis or oil acne. Release of the material during high-pressure applications may result in injection under the skin causing possible extensive tissue damage which is difficult to heal.

Ingestion:

Lubricating oils are generally no more than slightly toxic if swallowed.

Other Health Effects:

Material may release hydrogen sulfide (H₂S), a highly toxic and extremely flammable gas, when heated to 180 Degrees F or higher. H₂S can cause irritation of the eyes and respiratory tract, headache, dizziness, nausea, vomiting, diarrhea, and pulmonary edema. The odor ("rotten egg") threshold is 0.02 ppm. Do not depend on sense of smell for warning; H₂S rapidly deadens the sense of smell.

Signs and Symptoms:

Irritation as noted above. Local necrosis is evidenced by delayed onset of pain and tissue damage a few hours following injection.

Aggravated Medical Conditions:

Pre-existing eye, skin and respiratory disorders may be aggravated by exposure to this product.

For additional health information, refer to section 11.

SECTION 4**FIRST AID MEASURES****Inhalation:**

Remove victim to fresh air and provide oxygen if breathing is difficult. Get medical attention.

Skin:

Remove contaminated clothing and shoes and wipe excess from skin. Flush skin with water, then wash with soap and water. If irritation occurs, get medical attention. Do not reuse clothing until cleaned. If material is injected under the skin, transport to the nearest medical facility for additional treatment.

Eye:

Flush with water. If irritation occurs, get medical attention.

Ingestion:

Do not induce vomiting. In general, no treatment is necessary unless large quantities of product are ingested. However, get medical attention.

Note to Physician:

In general, emesis induction is unnecessary in high viscosity, low volatility products such as oils and greases.

SECTION 5**FIRE FIGHTING MEASURES**

Flash Point [Method]: 390 °F/198.89 °C [Cleveland Open Cup]

Upper Flammability Limit: Not Determined

Lower Flammability Limit: Not Determined

Extinguishing Media:

This material is non-flammable. Material will float and can be re-ignited on surface of water. Use water fog, 'alcohol foam', dry chemical or carbon dioxide (CO2) to extinguish flames. Do not use a direct stream of water.

Fire Fighting Instructions:

Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots), including a positive pressure, NIOSH approved, self-contained breathing apparatus. This material is non-flammable.

Unusual Fire Hazards:

Material may ignite when preheated.

SECTION 6

ACCIDENTAL RELEASE MEASURES

Protective Measures:

May burn although not readily ignitable.

Wear appropriate personal protective equipment when cleaning up spills. Refer to Section 8.

Spill Management:

FOR LARGE SPILLS: Remove with vacuum truck or pump to storage/salvage vessels.

FOR SMALL SPILLS: Soak up residue with an absorbent such as clay, sand or other suitable material. Place in non-leaking container and seal tightly for proper disposal.

Place in container for proper disposal.

Reporting:

CERCLA: Product is covered by EPA's Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) petroleum exclusion. Releases to air, land, or water are not reportable under CERCLA (Superfund).

CWA: This product is an oil as defined under Section 311 of EPA's Clean Water Act (CWA). Spills into or leading to surface waters that cause a sheen must be reported to the National Response Center, 1-800-424-8802.

SECTION 7

HANDLING AND STORAGE

Precautionary Measures:

Wash with soap and water before eating, drinking, smoking, applying cosmetics, or using toilet. Launder contaminated clothing before reuse. Properly dispose of contaminated leather articles such as shoes or belts that cannot be decontaminated. Avoid heat, open flames, including pilot lights, and strong oxidizing agents. Use explosion-proof ventilation to prevent vapor accumulation. Ground all handling equipment to prevent sparking.

Material may release hydrogen sulfide (H2S), a highly toxic and extremely flammable gas, when heated to 180 Degrees F or higher. H2S may collect in the headspace of the container.

Storage:

Do not store in open or unlabeled containers. Store in a cool, dry place with adequate ventilation. Keep away from open flames and high temperatures.

Container Warnings:

Keep containers closed when not in use. Containers, even those that have been emptied, can contain explosive vapors. Do not cut, drill, grind, weld or perform similar operations on or near containers.

SECTION 8

EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical	Limit	TWA	STEL	Ceiling	Notation
Oil mist, mineral	ACGIH TLV	5 mg/m ³	10 mg/m ³		
Oil mist, mineral	OSHA PEL	5 mg/m ³			

Decomposition Product	Limit	TWA	STEL	Ceiling	Notation
Hydrogen sulfide	ACGIH - TLV	10 ppm	15 ppm		
Hydrogen sulfide	OSHA - PEL IS	10 ppm	15 ppm		

Decomposition Product	Method	Condition
Hydrogen sulfide	Elevated Temperatures	> 215 Degrees F.

Exposure Controls

Provide adequate ventilation to control airborne concentrations below the exposure guidelines/limits.

Personal Protection

Personal protective equipment (PPE) selections vary based on potential exposure conditions such as handling practices, concentration and ventilation. Information on the selection of eye, skin and respiratory protection for use with this material is provided below.

Eye Protection:

Chemical Goggles, or Safety glasses with side shields

Skin Protection:

Use protective clothing which is chemically resistant to this material. Selection of protective clothing depends on potential exposure conditions and may include gloves, boots, suits and other items. The selection(s) should take into account such factors as job task, type of exposure and durability requirements.

Published literature, test data and/or glove and clothing manufacturers indicate the best protection is provided by:
Neoprene, or Nitrile Rubber

Respiratory Protection:

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of the OSHA Respiratory Protection Standard, 29 CFR 1910.134.

Types of respirator(s) to be considered in the selection process include:

For Mist: Air Purifying, R or P style NIOSH approved respirator.

For Vapors: Air Purifying, R or P style prefilter & organic cartridge, NIOSH approved respirator. Self-contained breathing apparatus for use in environments with unknown concentrations or emergency situations.

SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

Appearance & Odor: Amber, clear liquid. Petroleum oil odor.
Substance Chemical Family: Lubricants
Physical State: Liquid

Flash Point	390 °F [Cleveland Open Cup]	Odor	Petroleum oil odor.
Specific Gravity	0.8927	Viscosity	72.2 cSt - 89.3 cSt @ 40 °C

Odor Threshold: Not Determined
Partition Coefficient: Not Determined
pH: Not Determined

SECTION 10 REACTIVITY AND STABILITY

Stability:
 Material is stable under normal conditions.

Conditions to Avoid:
 Avoid heat and open flames.

Materials to Avoid:
 Avoid contact with strong oxidizing agents.

Hazardous Decomposition Products:

Thermal decomposition products are highly dependent on combustion conditions. A complex mixture of airborne solids, liquids and gases will evolve when this material undergoes pyrolysis or combustion. Aldehydes, Carbon Monoxide, Carbon Dioxide, Hydrogen Sulfide, Ketones and other unidentified organic compounds may be formed upon combustion.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Toxicity

TEST	Result	OSHA Classification	Material Tested
Dermal LD50	>5.0 g/kg(Rabbit)	Non-Toxic	Based on components(s)
Oral LD50	>5.0 g/kg(Rat)	Non-Toxic	Based on components(s)

Carcinogenicity Classification

Chemical Name	NTP	IARC	ACGIH	OSHA
Transmission & Hydraulic Fluid	No	Not Reviewed	No	No

SECTION 12 ECOLOGICAL INFORMATION

Environmental Impact Summary:
 There is no ecological data available for this product. However, this product is an oil. It is persistent and does not readily

biodegrade. However, it does not bioaccumulate.

SECTION 13

DISPOSAL CONSIDERATIONS

RCRA Information:

Under RCRA, it is the responsibility of the user of the material to determine, at the time of the disposal, whether the material meets RCRA criteria for hazardous waste. This is because material uses, transformations, mixtures, processes, etc. may affect the classification. Refer to the latest EPA, state and local regulations regarding proper disposal.

SECTION 14

TRANSPORT INFORMATION

US Department of Transportation Classification

This material is not subject to DOT regulations under 49 CFR Parts 171-180.

Oil: This product is an oil under 49CFR (DOT) Part 130. If shipped by rail or highway in a tank with a capacity of 3500 gallons or more, it is subject to these requirements. Mixtures or solutions containing 10% or more of this product may also be subject to this rule.

International Air Transport Association

Not regulated under IATA rules.

International Maritime Organization Classification

Not regulated under International Maritime Organization rules.

SECTION 15

REGULATORY INFORMATION

Federal Regulatory Status

OSHA Classification:

Under normal conditions of use or in a foreseeable emergency, this product does not meet the definition of a hazardous chemical when evaluated according to the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

WHMIS Classification: Not a controlled substance.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Ozone Depleting Substances (40 CFR 82 Clean Air Act):

This material does not contain nor was it directly manufactured with any Class I or Class II ozone depleting substances.

Superfund Amendment & Reauthorization Act (SARA) Title III:

There are no components in this product on the SARA 302 list.

SARA Hazard Categories (311/312):

Immediate Health	Delayed Health	Fire	Pressure	Reactivity
NO	NO	NO	NO	NO

SARA Toxic Release Inventory (TRI) (313):

Zinc compounds

Toxic Substances Control Act (TSCA) Status:

All component(s) of this material is(are) listed on the EPA/TSCA Inventory of Chemical Substances.

Other Chemical Inventories:

Component(s) of this material is (are) listed on the Australian AICS, Canadian DSL, Chinese Inventory, European EINECS, Japan ENCS, Korean Inventory, Philippines PICCS,

State Regulation

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

SECTION 16

OTHER INFORMATION

Revision#: 1

Revision Date: 01/07/2005

Review Date: 01/07/2005

Revisions since last change (discussion): This Material Safety Data Sheet (MSDS) has been revised to fully comply with the guidance contained in the ANSI MSDS standard (ANSI Z400.1-1998). We encourage you to take the opportunity to read the MSDS and review the information contained therein.

SECTION 17

LABEL INFORMATION

READ AND UNDERSTAND MATERIAL SAFETY DATA SHEET BEFORE HANDLING OR DISPOSING OF PRODUCT. THIS LABEL COMPLIES WITH THE REQUIREMENTS OF THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200) FOR USE IN THE WORKPLACE. THIS LABEL IS NOT INTENDED TO BE USED WITH PACKAGING INTENDED FOR SALE TO CONSUMERS AND MAY NOT CONFORM WITH THE REQUIREMENTS OF THE CONSUMER PRODUCT SAFETY ACT OR OTHER RELATED REGULATORY REQUIREMENTS.

PRODUCT CODE(S): 11051, 31919, 5044486, 6126

QUAKER STATE® FCI HD Universal Tractor Hydraulic/Transmission Oil

ATTENTION!

PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE OIL ACNE OR DERMATITIS. HIGH-PRESSURE INJECTION UNDER SKIN MAY CAUSE SERIOUS DAMAGE.

Precautionary Measures:

Avoid prolonged or repeated contact with eyes, skin and clothing. Wash thoroughly after handling.

FIRST AID

Inhalation: Remove victim to fresh air and provide oxygen if breathing is difficult. Get medical attention.

Skin Contact: Remove contaminated clothing and shoes and wipe excess from skin. Flush skin with water, then wash with soap and water. If irritation occurs, get medical attention. Do not reuse clothing until cleaned. If material is injected

under the skin, transport to the nearest medical facility for additional treatment.

Eye Contact: Flush with water. If irritation occurs, get medical attention.

Ingestion: Do not induce vomiting. In general, no treatment is necessary unless large quantities of product are ingested. However, get medical attention.

FIRE

In case of fire, Use water fog, 'alcohol foam', dry chemical or carbon dioxide (CO2) to extinguish flames. Do not use a direct stream of water. Material will float and can be re-ignited on surface of water.

SPILL OR LEAK

Dike and contain spill.

FOR LARGE SPILLS: Remove with vacuum truck or pump to storage/salvage vessels.

FOR SMALL SPILLS: Soak up residue with an absorbent such as clay, sand or other suitable material. Place in non-leaking container and seal tightly for proper disposal.

CONTAINS: Highly refined petroleum oils, Mixture; Zinc Dialkyldithiophosphate, 68649-42-3; Additives, Mixture

NFPA Rating (Health, Fire, Reactivity): 1, 1, 0

TRANSPORTATION

US Department of Transportation Classification

This material is not subject to DOT regulations under 49 CFR Parts 171-180.

Oil: This product is an oil under 49CFR (DOT) Part 130. If shipped by rail or highway in a tank with a capacity of 3500 gallons or more, it is subject to these requirements. Mixtures or solutions containing 10% or more of this product may also be subject to this rule.

CAUTION: Misuse of empty containers can be hazardous. Empty containers can be hazardous if used to store toxic, flammable, or reactive materials. Cutting or welding of empty containers might cause fire, explosion or toxic fumes from residues. Do not pressurize or expose to open flames or heat. Keep container closed and drum bungs in place.

Name and Address

SOPUS Products

P.O. Box 4427

Houston, TX 77210-4427

ADMINISTRATIVE INFORMATION

MANUFACTURER ADDRESS: SOPUS Products, P.O. Box 4427, Houston, TX. 77210-4427

THE INFORMATION CONTAINED IN THIS DATA SHEET IS BASED ON THE DATA AVAILABLE TO US AT THIS TIME, AND IS BELIEVED TO BE ACCURATE BASED UPON THAT : IT IS PROVIDED INDEPENDENTLY OF ANY SALE OF THE PRODUCT, FOR PURPOSE OF HAZARD COMMUNICATION. IT IS NOT INTENDED TO CONSTITUTE PRODUCT PERFORMANCE INFORMATION, AND NO EXPRESS OR IMPLIED WARRANTY OF ANY KIND IS MADE WITH RESPECT TO THE PRODUCT, UNDERLYING DATA OR THE INFORMATION CONTAINED HEREIN. YOU ARE URGED TO OBTAIN DATA SHEETS FOR ALL PRODUCTS YOU BUY, PROCESS, USE OR DISTRIBUTE, AND ARE ENCOURAGED TO ADVISE THOSE WHO MAY COME IN CONTACT WITH SUCH PRODUCTS OF THE INFORMATION CONTAINED HEREIN.

TO DETERMINE THE APPLICABILITY OR EFFECT OF ANY LAW OR REGULATION WITH RESPECT TO THE

PRODUCT, YOU SHOULD CONSULT WITH YOUR LEGAL ADVISOR OR THE APPROPRIATE GOVERNMENT AGENCY. WE WILL NOT PROVIDE ADVICE ON SUCH MATTERS, OR BE RESPONSIBLE FOR ANY INJURY FROM THE USE OF THE PRODUCT DESCRIBED HEREIN. THE UNDERLYING DATA, AND THE INFORMATION PROVIDED HEREIN AS A RESULT OF THAT DATA, IS THE PROPERTY OF SOPUS PRODUCTS AND IS NOT TO BE THE SUBJECT OF SALE OR EXCHANGE WITHOUT THE EXPRESS WRITTEN CONSENT OF SOPUS PRODUCTS.

43845-29730-100R-12/18/2004

4. EXHIBIT A – COST MATRIX

EXHIBIT A

COST MATRIX

* For items not being bid, place a zero (0) in the space.

Parts Description	Parts Discount %
General Auto Parts	20 - 35%
Transmission	20 - 35%
Gas Engines	20 - 35%
Diesel Engines	20 - 35%
Restocking Fees*	NONE UNLESS SPECIAL ORDER
Labor Charge	
Standard Commercial Shop Labor Rate	\$118/HOUR
Discounted Commercial Shop Labor Rate	\$85/HOUR

*Stocking Fees for parts that exceed the specified time frame listed below in Sect III – Scope of Work

Proposer to indicate brand/type of equipment/automobiles/trucks serviced and/or type of parts/services provided; (required)

SERVICE - ALL BRANDS CLASS 6, 7, AND 8. DPF
 CLEANING MACHINE, ALIGNMENT MACHINE
 BODY - ALL BODY REPAIRS
 PARTS - INCLUDES BUT NOT LIMITED TO INTERNATIONAL, CUMMINS,
 EATON, MERITOR, BENDIX, FLEET GUARD, HORTON, STEMCO,
 GREAT DANE. PLEASE SEE ATTACHED LINE CARDS.

THE REST OF THE PAGE INTENTIONALLY LEFT BLANK

5. TABLE A – MANUFACTURER/BRAND
NAMES OFFERED

Table A: Manufacturer/Brand Names Offered with percent (%) discounts. Catalog MUST be provided.

Item	Product/Category	Manufacturer/Brand Names (add additional offered in blanks)	Percent (%) Discount off Brands (off stated verifiable price list)	Verifiable Price List (Current Mfg. Price List or Catalog Pg. #) Provide Catalog
1	Alternators & Starters	AC Delco	20-35%	ONLINE
		Beck/Arnley		
		Genco		
		Wagner		
		DELCO REMY		
		LEECE NEVILLE		
2	Bearings (Ball & Roller)	BCA	20-35%	ONLINE
		Timkin		
		National		
		CHICAGO RAWHIDE		
		STEMCO		
3	Belts, Hoses & Clamps	Gates	20-35%	ONLINE
		Goodyear		
		Ideal		
		FLETRITE		
4	Brakes (Pads & Shoes)	Bendix	20-35%	ONLINE
		Eaton		
		Meritor		
		Raybestos		
		Performance Friction		
		SILVERBACK		
		STEMCO		
		CORIUA		
5	Brakes (Drums & Rotors)	Guinte	20-35%	ONLINE
		Vipar		
		United		
		WEBB		
		SILVERBACK		
6	Brakes (Calipers)	Vipar		
		BENDIX		

Item	Product/Category	Manufacturer/Brand Names (add additional offered in blanks)	Percent (%) Discount off Brands (off stated verifiable price list)	Verifiable Price List (Current Mfg. Price List or Catalog Pg. #) Provide Catalog
7	Caps & Thermostats	Stant		
8	Electrical & Ignition	AC Delco		
		Motorcraft		
		Autolite		
		Champion		
		Standard		
		ColeHersee		
9	Emissions & Exhaust	AC Delco		
		Motorcraft		
		Walker		
10	Filters (Air, Fuel, Oil)	AC Delco		
		Motorcraft		
		Wix		
		Fram		
		FLEETGUARD		
		DONALDSON		
11	Gaskets & Seals	AC Delco		
		National	20-35%	ONLINE
		C/R		
		STEMCO		
12	Heating & Air Conditioning	AC Delco		
		Motorcraft		

Item	Product/Category	Manufacturer/Brand Names (add additional offered in blanks)	Percent (%) Discount off Brands (off stated verifiable price list)	Verifiable Price List (Current Mfg. Price List or Catalog Pg. #) Provide Catalog
13	Lamps, Lighting & Mirrors	Federal Signal	20-35%	ONLINE
		Grote	20-35%	ONLINE
		Retrac		
		Wagner		
		Trucklite	20-35%	ONLINE
		FLEETRITE		
14	Power Steering Pumps	A-1 Cardone		
15	Pumps (Fuel & Water)	AC Delco		
		Motorcraft		
		TRW		
		Airtex		
16	Steering & Suspension	Moog	20-35%	ONLINE
		Monroe	20-35%	ONLINE
		Motorcraft		
		HENDRICKSON		
17	Universal Joints	Precision		
		Spicer	20-35%	ONLINE
18	Wipers	Anco	20-35%	ONLINE
		Motorcraft		
		Trico		

Item	Product/Category	Manufacturer/Brand Names (add additional offered in blanks)	Percent (%) Discount off Brands (off stated verifiable price list)	Verifiable Price List (Current Mfg. Price List or Catalog Pg. #) Provide Catalog
19	Wheel Accessories	Moog	20-35%	ONLINE
20	Spark Plugs & Wires	AC Delco		
		Champion		
		Motorcraft		
		Autolite		
		Bosch		

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6. TABLE B – MANUFACTURER/BRAND
NAMES OFFERED

Table B: Heavy Duty Parts (Please add additional manufacturers offered in blanks)

Item	Manufacturer	Verifiable Price List (Current Mfg. Price List Number or Catalog ID)	Discount (%) off Current Manufacturer List Price
1	Allison	ONLINE	20-35%
2	Bendix	ONLINE	20-35%
3	CE Nieoff		
4	Chevrolet		
5	Chicago Rawhide	ONLINE	20-35%
6	Cole Hersee		
7	Cummins	ONLINE	20-35%
8	Delco	ONLINE	20-35%
9	Detroit Diesel		
10	Donaldson	ONLINE	20-35%
11	Eaton	ONLINE	20-35%
12	Firestone	ONLINE	20-35%
13	Fleetguard	ONLINE	20-35%
14	Ford		
15	Gates	ONLINE	20-35%
16	Grote	ONLINE	20-35%
17	Goodyear	ONLINE	20-35%
18	Meritor	ONLINE	20-35%
19	Midland	ONLINE	20-35%
20	Monroe	ONLINE	20-35%
21	Motorcraft		
22	National	ONLINE	20-35%
23	Signal Stat	ONLINE	20-35%
24	Spicer	ONLINE	20-35%
25	Stemco	ONLINE	20-35%
26	Stewart Warner		
27	Sylvania	ONLINE	20-35%
28	Trucklite	ONLINE	20-35%
29	Velvac	ONLINE	20-35%
30	Wabco	ONLINE	20-35%
31	Wagner		
32			
33	PLEASE SEE ATTACHED LINE CARDS		
34			
35	CATALOGS CAN BE REQUESTED AS WELL AS ACCESS TO		
36	ONLINE CATALOGS.		
37			
38			
39			
40			

7. THREE COMMERCIAL REFERENCES

RJ Border International, L.P.
DBA Border International

Fed#20-0326080

12283 Rojas Dr.
El Paso, TX 79936
TX# 3-20143-8354-4

1670 S. Valley Dr.
Las Cruces, NM 88005
NM #03-028745-006

Credit References

Cummins Rocky Mountain LLC
14333 Gateway West
EL Paso, TX 79928
915-852-4200
Acct# 6312365
Credit Limit \$150,000.00

Alamo Industries
5923 Gateway West
El Paso, TX 79925
915-781-1234
Acct# 140386
Credit Limit \$100,000.00

Idle Free Systems, Inc
1101 Industrail Ave
Watertown, WI
920-206-6900
Acct# 015345
Credit Limit \$250,000.00

Bank References

Traci Brown
BBVA Compass
Commercial Banking Group
5285 E. Williams Circle, Suite 3500
Tucson, AZ 85711
800-236-2059

Partners

Royal Jones
4263 Escondido
Las Cruces, NM 88005

Jimmy Ray
3850 Picacho Ave
Las Cruces, NM 88005

PURCHASE ORDERS ARE REQUIRED FOR ALL ORDERS

8. FEDERAL CERTIFICATIONS

EXHIBIT B

FEDERAL CERTIFICATIONS

Lobbying: Byrd Anti-Lobbying Amendment

CERTIFICATION REGARDING LOBBYING

The undersigned [Contractor] certifies, to the best of his or her knowledge and belief, that:

- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for making lobbying contacts to an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form--LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions [as amended by "Government wide Guidance for New Restrictions on Lobbying," 61 Fed. Reg. 1413 (1/19/96). Note: Language in paragraph (2) herein has been modified in accordance with Section 10 of the Lobbying Disclosure Act of 1995 (P.L. 104-65, to be codified at 2 U.S.C. 1601, *et seq.*)]
- (3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31, U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

[Note: Pursuant to 31 U.S.C. § 1352(c)(1)-(2)(A), any person who makes a prohibited expenditure or fails to file or amend a required certification or disclosure form shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such expenditure or failure.]

The Contractor, RT BORDER INTERNATIONAL, certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. A 3801, *et seq.*, apply to this certification and disclosure, if any.

Jon V. Cogdill Signature of Contractor's Authorized Official

JON V. COGDILL/GM Name and Title of Contractor's Authorized Official

10.8.15 Date

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Conflicts of Interest

Based in part on federal regulations and Contract agreement between the Owner and Federal Agency no employee, officer, or agent of the Owner shall participate in selection, or in the award or administration of a contract supported by Federal funds if a conflict of interest, real or apparent, would be involved.

Such a conflict would arise when: (i)

The employee, officer or agent,

(ii) Any member of his or her immediate family, (iii)

His or her partner, or

(iv) An organization that employs, or is about to employ, any of the above, has a financial or other interest in the firm selected for award. The grantee's or sub grantee's officers, employees or agents will neither solicit nor accept gratuities, favors or anything of monetary value from Contractors, or parties

to sub-agreements. Grantees and sub grantees may set minimum rules where the financial interest is not substantial or the gift is an unsolicited item of nominal intrinsic value. To the extent permitted by State or local law or regulations, such standards or conduct will provide for penalties, sanctions, or other disciplinary actions for violations of such standards by the grantee's and sub grantee's officers, employees, or agents or by Contractors or their agents. The awarding agency may in regulation provide additional prohibitions relative to real, apparent, or potential conflicts of interest. Neither the Owner nor any of its contractors or their subcontractors shall enter into any Contract, subcontract, or agreement, in connection with any Project or any property included or planned to be included in any Project, in which any member, officer, or employee of the Owner, or any member of the governing body of the locality in which the Project is situated, or any member of the governing body of the locality in which the Owner was activated, or in any other public official of such locality or localities who exercises any responsibilities or functions with respect to the Project during his/her tenure or for one year thereafter has any interest, direct or indirect. If any such present or former member, officer, or employee of the Owner, or any such governing body member or such other public official of such locality or localities involuntarily acquires or had acquired prior to the beginning of his/her tenure any such interest, and if such interest is immediately disclosed to the Owner and such disclosure is entered upon the minutes of the Owner, the Owner, with the prior approval of the Government, may waive the prohibition contained in this subsection: Provided, That any such present member, officer, or employee of the Owner shall not participate in any action by the Owner relating to such contract, subcontract, or arrangement.

Company:

RJ BORDER INTERNATIONAL

Official's Name:

JON V. COGDILL / Jon V. Cogdill

Title:

General Mgr.

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9. DISADVANTAGED BUSINESS ENTERPRISE

NOTICE TO CONTRACTORS

This completed form is a MANDATORY SUBMITTAL with bid
(Submitting a blank form will render the bid non-compliant)

DISADVANTAGED BUSINESS ENTERPRISE (DBE) PROGRAM
RACE NEUTRAL

FORM: RN- 1 (DBE Utilization) Rev: October 26, 2012
RFP#: 15-16-029
PROJECT: Paint and Body Work Services

The undersigned has satisfied the requirements of the specifications in the following manner (please check the appropriate space):

- The bidder is committed to a minimum of 1.8 % DBE utilization on this project.
- The bidder, if unable to meet the goal of 1.8 % DBE, is committed to a minimum of 0 % DBE utilization on this project. (Enter zero "0" if unable to commit to any DBE utilization)

The following must be completed fully and signed by bidder:

Prime Contractor: RJ BORDER INTERNATIONAL

Address: 2701 WEST AMADOR

City, State, Zip LAS CRUCES, NM 88505

State Registration No. _____

Contact E-mail: CHARLIE.COGDILL@BORDERINT.COM

Phone No. 575-541-4259

By: [Signature]
Signature

10.8.15
Date

JON V. COGDILL
Printed Name

GENERAL MANAGER
Title

INDEX

1. RFP Compliance Declaration Form
2. Certificate of Liability Insurance
3. Safety Data Sheets(a,b)
4. Exhibit A – Cost Matrix
5. Table A – Manufacturer/Brand Names Offered
6. Table B – Manufacturer/Brand Names Offered
7. Three Commercial References
8. Federal Certifications
9. Disadvantaged Business Enterprise

1. RFP COMPLIANCE DECLARATION FORM



RFP COMPLIANCE DECLARATION

RFP TITLE: FLEET MEDIUM DUTY PARTS AND LABOR
RFP NO.: 15-16-074
DUE DATE/TIME: October 8, 2015 / 3:30 p.m.

In compliance with the requirements of this RFP, I, the undersigned, offer and agree to furnish any or all materials and/or services to the City of Las Cruces within the time agreed.

I further certify that this company has not been debarred, suspended, or otherwise made ineligible for participation in Federal Assistance programs under Executive Order 12549 Debarment and Suspension as described in the Federal Rules and Regulations.

Receipt of Addenda Nos.: 1 is hereby acknowledged (where none received, place a zero in this space)

Company Name and Address:

RS BORDER INTERNATIONAL
2701 WEST AMADOR
LAS CRUCES, NM 88005

Authorized Signature

JON V. COGDILL

Typed or Printed Name

GENERAL MGR

Title

CHARLIE.COGDILL@BORDERINT.COM

Email address

Telephone number 575-541-4259 Fax number 575-541-9382

NM Tax & Revenue Dept. CRS # 03-028745-006

Current NM Public Regulatory Commission Registration # _____ (corporations only)

Current CLC Business Registration # 5166 (respondents located in Las Cruces only)

Federal I.D. number 20-0326080 (mandatory for all respondents)

NM Resident Certificate from NM Tax and Revenue Department enclosed Yes No

**THIS FORM MUST BE COMPLETED AND INCLUDED WITH PROPOSAL
FAILURE TO INCLUDE WILL SUBJECT RESPONSE TO REJECTION**

2. CERTIFICATE OF LIABILITY INSURANCE

3(a). SAFETY DATA SHEETS

MISDS INDEX

<u>TAB</u>	<u>CHEMICAL PRODUCT</u>	<u>MANUFACTURER</u>
(A)	DIESEL EXHAUST BLEND	YARA INC.
(B)	HC FIBRE EXTRUDERS	KHIDE HC
(C)	INA GASKET BLEND	PERMATEX INC
(D)	PC GASKET BLEND	PERMATEX INC
(E)	PA GASKET BLEND	PERMATEX INC
(F)	CASEROL/JEN BATTERY 100	TECHNICAL CHEM
(G)	TRANSMISSION BLEND	WARREN OIL CO.
(H)	100 LB SAE 15W-40 OIL	CHEVRON PROD.
(I)	ANTIFREEZE COOLANT	SPECIALTY OIL
(J)	50/50 ANTIFREEZE	CUMMINS FILT.
(K)	HEAVY DUTY #2 GREASE	LUCAS OIL PROD.
(L)	HEAVY DUTY GREASE	LUCAS OIL PROD.
(M)	HEAVY DUTY OIL SAE 15W-40	LUCAS OIL PROD.
(N)	PASTORAL BLEND	PERMATEX INC
(O)	50/50 BLEND	CHEMISTATION
(P)	LEAD ACID BATTERY	EXIDE TECH.
(Q)	TRANSMISSION OIL	COGNIS CORP.
(R)	TRANSMISSION OIL	QUAKER STATE



Product Information Sheet

Air1® Diesel Exhaust Fluid

NOTE: THIS IS NOT A MATERIAL SAFETY DATA SHEET SINCE NONE IS REQUIRED FOR THIS PRODUCT. IT IS PROVIDED FOR EMPLOYEE INFORMATION ONLY.

Section 1. Chemical product and company identification

Trade name : Air1® Diesel Exhaust Fluid
Manufacturer : Yara North America, Inc
100 North Tampa Street
Suite 3200
P.O. Box 24926
Tampa, FL 33623
USA
Tel: +1 813 222 5700
Fax: +1 813 875 5735

Validation date : 2010-08-16.
Print date : 2010-08-16.
Responsible name : Bill Easterwood
In case of emergency : Additional Product Information: 813-222-5700
or Chemtrec 24-hours Emergency Resonse: 1-800-424-9300

Section 2. Hazards identification

Physical state : Liquid. [Clear.]
Emergency overview : NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.

Potential acute health effects

Eyes : No known significant effects or critical hazards.
Skin : No known significant effects or critical hazards.
Inhalation : Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
Ingestion : No known significant effects or critical hazards.

Potential chronic health effects

Chronic effects : No known significant effects or critical hazards.
Carcinogenic effects : No known significant effects or critical hazards.
Mutagenic effects : No known significant effects or critical hazards.
Teratogenicity : No known significant effects or critical hazards.
Developmental effects : No known significant effects or critical hazards.
Fertility effects : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Inhalation : No specific data.
Ingestion : No specific data.
Skin : No specific data.
Eyes : No specific data.

See toxicological information (section 11)

Air1® Diesel Exhaust Fluid

Section 3. Composition/information on ingredients

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
Urea	57-13-6	32.5
Water	7732-18-5	67.5

Section 4. First aid measures

- Eye contact** : Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if symptoms occur.
- Skin contact** : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if symptoms occur.
- Inhalation** : Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms occur.
- Ingestion** : Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.
- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Section 5. Fire-fighting measures

Flammability of the product : Non-flammable.

Extinguishing media

Suitable : Use an extinguishing agent suitable for the surrounding fire.

Products of combustion : These products are
carbon dioxide
carbon monoxide
nitrogen oxides
Ammonia.

Fire-fighting media and instructions : In case of fire, use water spray (fog), foam, dry chemical or CO₂.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment (see section 8).

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods for cleaning up

Small spill : Stop leak if without risk. Material free from contamination can be used for its original purpose. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Alr1® Diesel Exhaust Fluid

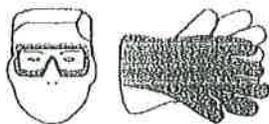
- Large spill : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

Section 7. Handling and storage

- Handling : Avoid contact with eyes, skin and clothing. Ensure eyewash facilities are located close to the working environment.
- Storage : Keep container tightly closed. Keep container in a cool, well-ventilated area. Keep away from heat and direct sunlight.

Section 8. Exposure controls/personal protection

- Engineering measures : No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.
- Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure eyewash facilities are located close to the working environment.
- Personal protection
- Eyes : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. Recommended: Chemical splash goggles or face shield.
- Skin : Personal protective equipment for the body should be selected based on the task being performed and the risks involved.
- Respiratory : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Recommended: If ventilation is inadequate, use respirator that will protect against dust/mist.
- Hands : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. >8 hours (breakthrough time): butyl rubber, natural rubber (latex), nitrile rubber
- Personal protective equipment (Pictograms) :



Product name

Urea

Exposure limits

AIHA WEEL (United States, 1/2009).
TWA: 10 mg/m³ 8 hour(s).

Section 9. Physical and chemical properties

- Physical state : Liquid. (Clear.)
- Color : Colorless.
- Odor : Ammoniacal. (Slight)
- pH : 9,8 to 10 [Conc. (% w/w): 10%]
- Boiling/condensation point : Decomposition temperature: 100°C (212°F)
- Melting/freezing point : -11,5°C (11,3°F)

Air1® Diesel Exhaust Fluid

Density (g/cm³) : 1,09 g/cm³ [20°C (68°F)]
Vapor pressure : 6.4 kPa (48 mm Hg) (at 40°C)
VOC : 32,5 % (w/w)
Miscible in water. : Yes.

Section 10. Stability and reactivity

Stability and reactivity : Stable under recommended storage and handling conditions (see section 7).
Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.
Incompatibility with various substances : Highly reactive or incompatible with the following materials: oxidizing materials, acids and alkalis.
Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hazardous polymerization : Under normal conditions of storage and use, hazardous polymerization will not occur.

Section 11. Toxicological information

Potential acute health effects

Inhalation : Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
Ingestion : No known significant effects or critical hazards.
Skin contact : No known significant effects or critical hazards.
Eye contact : No known significant effects or critical hazards.

Product/Ingredient name	Result	Species	Dose	Exposure
Urea	LD50	Rat	>5 g/kg	-
	Intraperitoneal			
	LD50	Rat	567 mg/kg	-
	Intratracheal			
	LD50 Intravenous	Rat	5300 mg/kg	-
	LD50 Oral	Mouse	11 g/kg	-
	LD50 Oral	Rat	8471 mg/kg	-
	LD50	Rat	8200 mg/kg	-
	Subcutaneous			
TDL ₀ Oral	Rat	750 mg/kg	-	

Section 12. Ecological information

Environmental effects : Readily biodegradable

Aquatic ecotoxicity

Product/Ingredient name	Test	Result	Species	Exposure
Urea	-	Acute EC50 3910000 ug/L Fresh water	Daphnia - Water flea - Daphnia magna - Neonate - <24 hours	48 hours
	-	Acute LC50 >1000 mg/L Marine water	Crustaceans - Amphipod - Chaetogammarus marinus - Young - 5 mm	48 hours
	-	Acute LC50 16700 to 19600 ug/L Fresh water	Fish - Rohu - Labeo rohita - Egg	96 hours

Conclusion/Summary : Not available.

Biodegradability

Conclusion/Summary : The product does not show any bioaccumulation phenomena.

Section 13. Disposal considerations

Waste disposal : The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Consult your local or regional authorities.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

Section 14. Transport information

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label	Additional information
DOT Classification	Not regulated.	-	-	-	-	-
TDG Classification	Not regulated.	-	-	-	-	-
Mexico Classification	Not regulated.	-	-	-	-	-

Section 15. Regulatory information

HCS Classification : Not regulated.

U.S. Federal regulations : **United States Inventory (TSCA 8b)**: All components are listed or exempted.
SARA 302/304/311/312 extremely hazardous substances: No products were found.
SARA 302/304 emergency planning and notification: No products were found.
SARA 302/304/311/312 hazardous chemicals: Urea
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Urea: Immediate (acute) health hazard, Delayed (chronic) health hazard
Clean Water Act (CWA) 307: No products were found.
Clean Water Act (CWA) 311: No products were found.
Clean Air Act (CAA) 112 accidental release prevention: No products were found.
Clean Air Act (CAA) 112 regulated flammable substances: No products were found.

Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs) : Not listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

Air1® Diesel Exhaust Fluid

State regulations : Connecticut Carcinogen Reporting: None of the components are listed.
Connecticut Hazardous Material Survey: None of the components are listed.
Florida substances: None of the components are listed.
Illinois Chemical Safety Act: None of the components are listed.
Illinois Toxic Substances Disclosure to Employee Act: None of the components are listed.
Louisiana Reporting: None of the components are listed.
Louisiana Spill: None of the components are listed.
Massachusetts Spill: None of the components are listed.
Massachusetts Substances: None of the components are listed.
Michigan Critical Material: None of the components are listed.
Minnesota Hazardous Substances: None of the components are listed.
New Jersey Hazardous Substances: None of the components are listed.
New Jersey Spill: None of the components are listed.
New Jersey Toxic Catastrophe Prevention Act: None of the components are listed.
New York Acutely Hazardous Substances: None of the components are listed.
New York Toxic Chemical Release Reporting: None of the components are listed.
Pennsylvania RTK Hazardous Substances: None of the components are listed.
Rhode Island Hazardous Substances: None of the components are listed.

United States Inventory (TSCA 8b) : All components are listed or exempted.

Section 16. Other information

National Fire Protection Association (U.S.A.) :



References : Regulation (EC) No 1272/2008 Annex VI
National Institute for Occupational Safety and Health, U.S. Dept. of Health, Education, and Welfare, Reports and Memoranda
Registry of Toxic Effects of Chemical Substances
Atrion International Inc. 4777 Levy Street, St Laurent, Quebec HAR 2P9, Canada

Date of issue : 2010-08-16,
Date of previous issue : 2009-02-05.
Version : 3

Indicates information that has changed from previously issued version.

Notice to reader

To the best of our knowledge, the information provided in this Product Information Sheet is accurate as at the date of its issue. The information it contains is being given for safety guidance purposes and relates only to the specific material and uses described in it. This information does not necessarily apply to that material when combined with other material(s) or when used otherwise than as described herein. Final determination of the suitability of any material is the sole responsibility of the user. All materials may represent unknown hazards and should be used with caution. Yara International ASA disclaims any liability for loss or damage resulting from the use of any data, information or recommendations set out in this Product Information Sheet.



Material Safety Data Sheet

International Truck and Engine Corporation
4201 Winfield Road
Warrenville, IL 60555 USA



Part No. 2591707C91 KID466295 1676848C92 1696423C2

The MSDS was received from Kidde as current on May 8, 2006.

MATERIAL SAFETY DATA SHEET
Kidde BC Fire Extinguisher

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name / Label Name:	Kidde BC Fire Extinguisher
CAS Number:	N/A
Chemical Name / Family	N/A It is a mixture
Synonyms:	BCM Fire extinguishing powder, REGULAR STERATED dry chemical powder
Manufacturer's Name:	Kidde - Residential & Commercial
Address:	1394 South Third Street, Mebane, NC 27302
Business phone / Fax:	919-563-5911 / 1-800-547-2111
24 Hour Emergency Contact:	Chemtrec 1-800-424-9300
Date of preparation:	January 3, 2002
Revision Date:	February 16, 2005

SECTION 2 – COMPOSITION AND INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS No.	% w/w	OSHA PEL mg/m ³	ACGIH TLV mg/m ³	TOXICITY DATA
Sodium bicarbonate	144-55-8	90 – 94	NONE	15	NONE
Mica	12001-26-2	2 – 5	5	10	NONE
Attapulugus clay	8031-18-3	0 – 2	NONE	NONE	NONE
Amorphous silica	7631-86-9	0.1 – 0.5	6	10	NONE
Calcium Stearate	66071-81-6	1 – 3	NONE	NONE	NONE

SECTION 3 – PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling point, °C:	N/A	Specific gravity (H ₂ O=1)	ABOUT 2.3	Viscosity @ 20°C:	N/A
Vapor pressure, mm Hg:	N/A	Percent volatile by volume:	N/A	Melting point, °C:	270
Vapor density (Air=1):	N/A	Evaporation rate (Butyl acetate=1)	N/A	Solubility in water:	16.4 g/100g
Reactivity in water:	Unreactive	Appearance and odor:	Odorless, fine off white powder		

Material Safety Data Sheets (M.S.D.S.) Catalog

July 09, 2010



**Border
International**

TABLE OF CONTENTS

- ChemStation
 - Product: 5822
 - Emergency #: 800.424.9300
- Delo 400 LE SAE 15W-40
 - Product: Engine Oil
 - ZJB222220G, ZJB222220Q, ZJB222220P,
ZJB222220D, ZJB222220R
 - Emergency #: 800.231.0623
- ES Compleat OAT 50/50 Premix
 - Product: Premixed Antifreeze/Coolant
 - CC3607700, CC3607600, CC3607500,
CC3607400
 - Emergency #: 800.424.9300
- EXIDE—BATTERY
 - Product: Lead Acid Batter
 - EX16B, ZBD16TF, MF31BS, MF31CS, MF31DS
 - Emergency #: 800.424.9300
- FLEETRITE HEAVY DUTY SAE 50
 - Product: Synthetic Manual Transmission Lube
 - 991884c2, 991885c2, 991886c2, 2595310c1
 - Emergency #: 613.996.6666
- FLEETRITE PREM. ANTIFREEZE/COOLANT CONC.
 - Product: Antifreeze & Coolant
 - ZJJ996723A, ZJJ996900C
 - Emergency #: 877.504.9351
- FLEETRITE D/M AUTOMATIC TRANSMISSION FLUID
 - Product: Automatic Transmission Fluid
 - 1691575C2, 1691575C3, 1691575C4,
1691576C2, 1691576C3, 1691576C4
 - Emergency #: 800.342.2512
- LUCAS UPPER CYLINDER LUBRICANT
 - Product: Petroleum hydrocarbon + additives
 - LP10003
 - Emergency #: 800.342.2512
- QUAKER STATE FCI HD Universal Tractor Hydraulic/
Transmission Oil
 - Product: Hydraulic Oil
 - 991054C2, 991067C2
 - Emergency #: 877.504.9351

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA			
Flash point:	N/A	Flammable limits in air, % by volume	N/A
Extinguishing media:	N/A – The product is a fire extinguishing agent		
Unusual fire and explosion hazards:	NONE		
Special fire fighting procedures:	The material is a fire extinguishing agent and will not burn. However, if other materials are involved, use standard chemical fire fighting procedures and consider the hazards of those materials. In enclosed areas, fire fighters must wear self-contained breathing apparatus and full protective equipment.		

SECTION 5 – REACTIVITY DATA			
Stability:	Stable	Conditions to avoid:	Extreme heat
Incompatibility (materials to avoid):	Strong acids. Do not mix with ABC type dry chemical extinguishing agents.		
Hazardous decomposition products:	Carbon dioxide.		
		Hazardous Polymerization:	Will not occur

SECTION 6 – HEALTH HAZARD DATA	
Threshold limit value:	ACGIH TLV for particulates not otherwise classified: 10 mg/m ³ OSHA PEL for nuisance dust limit total: 15 mg/m ³
Routes of entry:	Inhalation: YES; may be irritant to the respiratory tract. Eye contact: YES; mildly irritant for a short period. Skin contact: YES; may be mildly irritating. Ingestion: NOT an expected route of entry.
Signs and symptoms of overexposure:	Acute: Transient cough, shortness of breath, irritation of airways. Chronic: This product is not known to cause chronic illness.
Medical conditions generally aggravated by exposure:	Asthma, emphysema, bronchitis or other respiratory illness.
Chemical listed as carcinogen or potential:	NTP program: No IARC monographs: No OSHA: No
Emergency and first aid procedures:	Eye contact: Flush with large amounts of water for at least 15 minutes. If irritation persists, seek medical attention. Skin contact: Wash with soap and water. If irritation persists, seek medical attention. Inhalation: Move victim to fresh air. Seek medical attention if discomfort continues. Ingestion: Rinse mouth, drink large amounts of water and induce vomiting. Seek medical help.

SECTION 7 – SPECIAL PRECAUTIONS AND SPILL / LEAK PROCEDURES	
Precautions to be taken in handling and storage:	Should be stored in original containers. Store in dry, cool, well-ventilated place away from acidic compounds. Wash after handling. Do not cut, grind, weld or drill on or near product containers. Treat empty containers as if they were full.
Other precautions:	Do not mix with acidic materials.
Steps to be taken in case materials is released or spilled:	Sweep up or vacuum. Store in covered containers. Do not reuse. In case of large spills, use rubber gloves, chemically resistant suit and boots, hard hat and air purifying respirator.
Waste disposal method:	Dispose of in compliance with local, state and federal regulations. Components are non hazardous, sanitary landfill disposal may be acceptable

SECTION 8 - SPECIAL PROTECTION INFORMATION	
Respiratory protection:	Dust mask where dustiness is prevalent or TLV exceeded. Mechanical filter respirator if exposure is prolonged.
Ventilation:	Use adequate ventilation. Use fan or vent to outside.
Protective gloves:	Wear rubber gloves for routine industrial use.
Eye protection:	Recommended as mechanical barrier for prolonged exposure. Safety glasses or chemical type goggles.
Other protective equipment:	If irritation occurs, long sleeves and impervious gloves should be worn.
Work / Hygienic practices:	Use good personal hygiene and good housekeeping practices. Avoid breathing of dust. Wash with soap and water.

SECTION 9 - REGULATORY INFORMATION			
HAZARDOUS MATERIAL IDENTIFICATION SYSTEM RATINGS			
HEALTH: 1	FLAMMABILITY: 0	REACTIVITY: 0	
HAZARD INDEX: 0 Minimal hazard; 1 Slight hazard; 2 Moderate hazard; 3 Serious hazard; 4 Severe hazard			
SHIPPING INFORMATION			
DOT Shipping Name:	Fire Extinguishers	DOT Hazard Class:	2.2 (Nonflammable Compressed Gas)
DOT ID Number:	UN1044	Packing Group:	N/A

GENERAL KEYS:

N/A: Not applicable.

NDA: No data available.

The information herein is given in good faith. It is based on available data and is believed to be true and accurate, but no warranty, expressed or implied, is made. Therefore, WALTER KIDDE PORTABLE EQUIPMENT INC. assumes NO responsibility for damage or injury from the use of the product described herein.

Permatex, Inc.
 10 Columbus Blvd.
 Hartford, CT 06106 USA
 Telephone: 1-87-Permatex
 (877) 376-2839
 Emergency: 800-255-3924
 International Emergency: 813-248-0585

Material Safety Data Sheet

International Truck and Engine Corporation
 4201 Winfield Road
 Warrenville, IL 60555 USA

Part No. PER4MA PTX80646 LOC80646 554259C2

The MSDS was received from Permatex as current on September 11, 2007.

Material Safety Data Sheet



1. PRODUCT IDENTIFICATION

Product Name: **PX 4MA GASKET REMOVER 12OZ AE**
 Item No: **80646**
 Product Type: **Aerosol cleaner**

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	ACGIH TLV: TWA	OSHA PEL:
DICHLOROMETHANE 75-09-2	60-100	50 ppm TWA; 174 mg/m ³ TWA	25 ppm TWA; 125 ppm STEL (15 min. TWA)
PETROLEUM GASES, LIQUEFIED, SWEETENED 68476-86-8	10-30	1000 ppm TWA	Not Listed
METHANOL 67-56-1	<7	200 ppm TWA; 262 mg/m ³ TWA	200 ppm TWA; 260 mg/m ³ TWA

3. HAZARDS IDENTIFICATION

Toxicity: Harmful if inhaled. Harmful if swallowed. May cause eye, skin and respiratory irritation. Vapors are anesthetic in high concentrations. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage (sometimes referred to as "solvent" or "painter's syndrome"). Symptoms include fatigue, concentration difficulties, anxiety, depression, rapid mood swings, and short-term memory loss. Prolonged exposure may cause liver and kidney effects and may affect the central nervous system. Methylene chloride will have an effect on the cardiovascular system. Inhalation of high concentrations of Methylene chloride over long periods of time has caused cancer in laboratory animals. Deliberately concentrating and inhaling the vapor may be harmful or fatal. Eye and skin contact, ingestion, inhalation

Primary Routes of Entry: Eye and skin contact, ingestion, inhalation

Signs and Symptoms of Exposure: Excessive overexposure may cause dizziness, dizziness, headache, nausea and in extreme cases, unconsciousness and respiratory depression. Inhaling may cause mild irritation to the nose, throat and respiratory tract and may result in central nervous system (CNS) depression. Overexposure may cause eye and skin redness.

Component	Weight%	NTP	ACGIH Carcinogens	IARC
DICHLOROMETHANE 75-09-2	60-100	Group 2: Suspect Carcinogen	A3 - Animal Carcinogen	Group 2B: Monograph 41, Supplement 7, Monograph 71; 1998

Medical Conditions Recognized as Being Aggravated by Exposure: Heart disease, respiratory disorders, liver and kidney diseases, anemia, rhythm disorders of the heart.

4. FIRST AID MEASURES

Ingestion: Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation: Move to fresh air in case of accidental inhalation of vapors. If not breathing, give artificial respiration. Obtain medical attention.

Skin Contact: Wash off with soap and water. If skin irritation persists, call a physician.

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

5. FIRE FIGHTING MEASURES

Flash Point (°F/C): Flammable per flame projection

Recommended Extinguishing Media: Carbon Dioxide, Dry Chemicals, Foam.

Special Fire-Fighting Procedures: Firefighters should wear self-contained breathing apparatus. Keep containers cool. Use equipment or shielding required to protect against bursting or venting of containers. Water spray may be ineffective on flames but should be used to keep fire-exposed containers cool.

Hazardous Products of Combustion: Hydrogen chloride, Carbon Monoxide and Carbon Dioxide.

Product Name: PX 4MA GASKET REMOVER 12OZ AE

Item No: 80646

5. FIRE FIGHTING MEASURES

Unusual Fire/Explosion Hazards:

Contents under pressure. Exposure to temperatures over 120 degrees F. may cause bursting or venting. Use equipment or shielding to protect personnel from bursting containers.

Lower Explosive Limit:

Not determined

Upper Explosive Limit:

Not determined

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures:

Eliminate all sources of ignition. Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal.

7. HANDLING AND STORAGE

Storage:

Store away from heat, sparks or open flame. Do not store at temperatures above 120 degrees F.

Handling:

Avoid contact with skin and eyes. Do not use near heat, sparks or open flame. Avoid breathing vapors, if exposed to high vapor concentration, leave area at once. Use only in a well ventilated area. Intentionally concentrating and inhaling the vapor may be harmful or fatal. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes:

Safety glasses

Skin:

Neoprene, rubber or butyl rubber gloves.

Ventilation:

General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits (or to the lowest feasible levels when limits have not been established) during the use of this product.

Respiratory Protection:

An approved respirator (i.e. NIOSH, etc.) should be worn when exposures are expected to exceed the applicable limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Clear liquid

Odor:

Ether odor

Boiling Point:

>100°F

pH:

Not applicable

Solubility in Water:

Partial

Specific Gravity:

1.17-1.27

VOC Content(Wt.%):

24% by weight

Vapor Pressure:

Not Determined

Vapor Density (Air=1):

Heavier than air

Evaporation Rate:

Faster than ether

10. STABILITY AND REACTIVITY

Chemical Stability:

Stable at normal conditions

Hazardous Polymerization:

WILL NOT OCCUR.

Incompatibilities:

Strong oxidizers, Active metals

Conditions to Avoid:

Keep away from heat, sparks and open flame

Hazardous Products of Combustion:

Hydrogen chloride, Carbon Monoxide and Carbon Dioxide.

11. TOXICOLOGICAL INFORMATION

See Section 3

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended Method of Disposal:

Disposal should be made in accordance with federal, state and local regulations. This container may be recycled in aerosol recycling centers. Before offering for recycling, empty the can by using the product according to the label. If recycling is not available, wrap the container and discard in the trash. D001/F002 - Hazardous waste per 40CFR 261.21 and 261.31 (Methylene Chloride)

US EPA Waste Number:

14. TRANSPORTATION INFORMATION

DOT (49CFR 172)

Domestic Ground Transport

Product Name: PX 4MA GASKET REMOVER 12OZ AE

Item No: 80646

14. TRANSPORTATION INFORMATION

DOT Shipping Name: CONSUMER COMMODITY
Hazard Class: ORM-D
UN/ID Number: None
Marine Pollutant: None

IATA

Proper Shipping Name: Aerosols, flammable, containing substances in Division 6.1, Packing Group III
Class or Division: Division 2.1, Subsidiary Risk 6.1
UN/NA Number: UN 1950

IMDG

Proper Shipping: Aerosols
Hazard Class: Class 2, 6.1
UN Number: UN 1950

15. REGULATORY INFORMATION

SARA 313 Chemicals: The following component(s) is listed as a SARA Section 313 Toxic Chemical.

DICHLOROMETHANE, METHANOL

CALIFORNIA PROP 65:

WARNING: This product contains a chemical known to the State of California to cause cancer.

TSCA Inventory Status:

Listed on Inventory: YES All components of this product are listed (or exempt) on the EPA TSCA Inventory.

16. OTHER INFORMATION

Estimated NFPA Rating: HEALTH 3, FLAMMABILITY 3, REACTIVITY 0
Estimated HMIS Classification: HEALTH 3, FLAMMABILITY 3, PHYSICAL HAZARD 0
NFPA is a registered trademark of the National Fire Protection Assn. HMIS is a registered trademark of the National Paint and Coatings Assn.

Prepared By: Denise Boyd, Health and Safety Manager
Company: Permalex, Inc. 10 Columbus Blvd. Hartford, CT USA 06106

Revision Date: February/05/2007
Revision Number: 1

Permatex Canada, Inc.
 6711 Mississauga Rd. Suite 302
 Mississauga, ON Canada L5N 2W3
 Telephone: 1-87-Permatex
 (877) 376-2839
 Urgence: 800-255-3924

SYSTÈME D'INFORMATION SUR LES MATIÈRES DANGEREUSES UTILISÉES AU TRAVAIL

I. IDENTIFICATION DU PRODUIT

Nom du produit: PC GASKET REMOVER 340 G AE
 Numéro d'article: 80579
 Utilisation du produit: Nettoyeur d'aerosol

II. COMPOSITION/INFORMATION SUR LES INGRÉDIENTS

Ingredient	Weight Percent	DL50:	LC 50 (mg/l)	VALEUR TLV DÉFINIE PAR L'ACGIH :
dichlorométhane 75-09-2	40-70	oral rat 1600 mg/kg	Inhal rat 52 gm/m ³	50 ppm TWA; 174 mg/m ³ TWA
isobutane 75-28-5	10-30	non disponible	non disponible	N'est pas classée
toluène 108-88-3	7-13	oral rat 636 mg/kg/Dermal rabbit 14100 ul/kg	inh rat 49 g/m ³ /4h	50 ppm TWA
éthanol 64-17-5	7-13	oral rat; 7060 mg/kg	Inhal rat; 20000 ppm/1h	1000 ppm; STEL 1000 ppm
propane 74-98-6	1-5	non disponible	non disponible	1000 ppm TWA

III. PROPRIÉTÉS PHYSIQUE/CHIMIQUES

État/apparence physique: Aerosol - liquide clair
 Odeur/seuil: Ether odeur
 Densité: 0.96
 Vitesse d'évaporation: 1.0 (butylque acétate = 1)
 Pression de vapeur: 20-30 psig @ 20°C
 Densité gazeuse: >1 (air = 1)
 Point de congélation: Indéterminé
 pH: Ne s'applique pas
 Coefficient Eau/Huile: Indéterminé
 Point d'ébullition: 40-111°C (conc)

IV. RISQUE D'INCENDIE/D'EXPLOSION

Moyen d'extinction recommandé: Mé-L-X ou autres agents extincteurs en poudre.
 Produits de combustion dangereux: L'acide de hydrochloric, phosgene, le chlore, dioxyde de carbone.
 Sensibilité aux décharges électrostatiques: L'aerosol peut est sous la pression et peut exploser dans le feu.
 Conditions d'inflammabilité: INFLAMMABLE: Le produit vaporise projettera la flamme et peut flashback sur le contact avec la flamme a une source d'allumage. Les contenus sous la pression. Les recipients peuvent exploser si chauffe. Garder des recipients refroidissent. L'équipement d'usage ou proteger a protégé le personnel d'eclater de recipients.

Point d'éclair (méthode): *Projection de flamme: >15 cm - <100 cm
 Température d'auto-inflammation: 480°C
 Limite supérieure d'inflammabilité: 22%
 Limite inférieure d'inflammabilité: 1.0%

V. DONNÉES SUR LA RÉACTIVITÉ

Conditions entraînant une instabilité chimique: Écurie dans des conditions normales d'utilisation.
 Matières à éviter: oxydants forts
 Conditions de réactivité: Éviter la chaleur excessive, les étincelles et ouvre la flamme.
 Produits de décomposition dangereux: Monoxyde de carbone, Le chlorure d'hydrogène, phosgene, le chlore.

VI. PRODUITS TOXIQUES

Voie(s) d'admission: Contact avec les yeux, la peau, ingestion et inhalation.
 Conditions existantes aggravés par l'exposition: Le chlorure de methylene: Les problemes de cardiovascular.
 Renseignements sur la toxicité: (Voir Effets de l'exposition aiguë au produit:)

VI. PRODUITS TOXIQUES

Effets de l'exposition aiguë au produit:
Effets de l'exposition chronique au produit:

Peut causer oeil, peau et respiratoire. Les vapeurs sont anesthésiques dans les hautes concentrations. Nocif en cas d'ingestion. Intentionnellement concentrer et inhaler la vapeur peut être nuisible ou fatale.

Les rapports ont associé répétée et prolongée par-dessus l'exposition aux dissolvants avec les dommages de cerveau permanents et aux dommages de système nerveux. Cardiovasculaires effets. Inhalation d'hautes concentrations de vapeur de chlorure de méthyle par-dessus les périodes longues de temps (les années) a causé le cancer dans les animaux de laboratoire. Overexposure à long terme aux dissolvants a été associé au poumon, les dommages de foie et rein. L'exposition répétée à toluène a été associée à l'haute perte d'audience de fréquence basée sur les études d'animal.

Le mal de tête, nausée, le vertige, la démarche énorme. La vapeur au-dessus de la limite de TLV irrite aux yeux, le nez et la gorge et peut causer le mal de tête, le vertige et nausée.

Irritation causée par le produit:

Sensibilisation au produit:

(Voir Effets de l'exposition chronique au produit:)

Pouvoir cancérogène:

(Voir Effets de l'exposition chronique au produit:)

Toxicité pour la reproduction:

(Voir Effets de l'exposition chronique au produit:)

Tératogénicité:

(Voir Effets de l'exposition chronique au produit:)

Mutagénicité:

(Voir Effets de l'exposition chronique au produit:)

Produits toxicologiquement synergiques:

Aucun à notre connaissance

Classe de risque (SIMDUT/WHMIS):

A GAZ COMPRIME B5 aérosols INFLAMMABLES D1B MatièreS TOXIQUES D2A MatièreS très TOXIQUES D2B MatièreS TOXIQUES

VII. MESURES PRÉVENTIVES

Protection personnelle

Yeux:

lunettes de sécurité.

Peau:

gants en caoutchouc ou en plastique

Ventilation:

Un contrôle de la qualité de l'air est recommandé.

Contrôles techniques:

(Voir Ventilation:)

En cas de fuite ou déversement:

Éliminer toutes sources d'allumage. Maintenir la bonne ventilation. Prendre en haut avec un inerté absorbant. Emmagasiner dans un récipient de gaspillage fermé jusqu'à la disposition.

Élimination des déchets:

Respecter les règlements fédéraux et municipaux.

Procédures et équipement de manutention:

Entreposer loin d'une source de chaleur ou de tout objet produisant des étincelles. Entreposer à une température inférieure à 50°C. Les contenus sous la pression. Ne fait pas puncture ou incinéré le récipient. Utiliser avec une ventilation adéquate. Utiliser une bonne hygiène personnelle. Éviter de fumer, manger ou boire pendant l'usage. Se laver avec de l'eau et du savon après avoir manipulé.

Renseignements spéciaux sur la manutention:

Éviter la respiration prolongée de vapeur. Éviter des yeux. Éviter le contact prolongé avec la peau. Ne pas fumer pendant qu'utiliser. Laver des mains après l'usage. Éviter la chaleur, les étincelles et ouvre la flamme.

VIII. PREMIERS SOINS

Ingestion:

Ne pas provoquer le vomissement. Appeler un centre antipolison ou un médecin.

Inhalation:

Amener la victime à l'air libre en cas d'inhalation des vapeurs. En cas d'arrêt de la respiration, administrer une respiration artificielle. Appeler un médecin.

Contact avec la peau:

Laver immédiatement au savon et à l'eau en enlevant les vêtements contaminés et les chaussures. Si l'irritation de la peau persiste, appeler un médecin.

Contact avec les yeux:

Rincer immédiatement à grande eau pendant au moins 15 minutes. Appeler un médecin si l'irritation persiste.

IX. RENSEIGNEMENTS RELATIFS AU TRANSPORT

Transport des marchandises dangereuses au Canada

Nom d'expédition:

Les aérosols, inflammable, les substances qui contiennent dans la Division 6.1, PG III (Peut qualifier comme une denrée de consommateur ou a limite la quantité. Se référer aux règlements de TGD.)

Classe de danger:

2.1 (6.1)

No ONU/ID

UN 1950

IATA

Nom d'expédition:

Les aérosols, inflammable, contiennent les substances qui dans la Division 6.1, PG III.

Classe ou division:

Division 2.1, Subsidiary Risk 6.1

N° d'identification:

UN 1950

IMDG

Nom d'expédition:

Aerosols

Classe de danger:

Class 2, 6.1

N° d'identification:

UN 1950

X. RENSEIGNEMENTS SUR LA PRÉPARATION

HMIS INFLAMMABILITE 3, REactivité 0, santé 2

NFPA INFLAMMABILITE 3, REactivité 0, santé 2

Nom du produit: PC GASKET REMOVER 340 G AE

Numéro d'article: 80579

X. RENSEIGNEMENTS SUR LA PRÉPARATION

HMIS is a registered trademark of the National Paint and Coatings Assn.

NFPA is a registered trademark of the National Fire Protection Assn.

Préparé par: Denise Boyd, Health and Safety Manager

Date de révision: 08/21/2006

Société: Permatex Canada, Inc. 8711 Mississauga Rd. Suite 302 Mississauga, Ont. L5N 2W3

Numéro de révision: 2

Téléphone: 1-87-Permatex (877) 376-2839 1-87-Permatex (877) 376-2839

Permatex, Inc.
 10 Columbus Blvd.
 Hartford, CT 06106
 Telephone: 1-87-Permatex
 (877) 376-2839
 Emergency: 800-255-3924

Ficha de Datos de Seguridad

1. IDENTIFICACION DEL PRODUCTO QUIMICO Y DE LA EMPRESA

Nombre del producto: PX 4MA GASKET REMOVER 12OZ AE
 Item No: 80646
 Uso del producto: Producto de limpieza de discos del aerosol

2. COMPOSICION/INFORMACION SOBRE LOS INGREDIENTES

Ingredients	Percent	ACGIH Valor del límite de tiempo (TLV) 8 Hr. TWA límite medio ponderado en el tiempo (mg/m3)	OSHA PEL 8 Hr. TWA (mg/m3):
DICHLOROMETHANE 75-09-2	60-70	50 ppm TWA; 174 mg/m3 TWA	25 ppm TWA; 125 ppm STEL (15 min. TWA)
2-PROPANOL 67-63-0	5-15	400 ppm TWA; 983 mg/m3 TWA	400 ppm TWA
XYLENE, MIXTURE OF ISOMERS 1330-20-7	1-10	100 ppm TWA; 434 mg/m3 TWA	100 ppm TWA; 435 mg/m3 TWA
PROPANE 74-98-6	1-10	simple asphyxiant; 2500 ppm TWA	1000 ppm TWA; 1800 mg/m3 TWA
BUTANE [1], ISOBUTANE [2] 106-97-8	1-10	800 ppm TWA; 1900 mg/m3 TWA	800 ppm TWA; 1900 mg/m3 TWA
ETHYL BENZENE 100-41-4	1-10	100 ppm TWA; 434 mg/m3 TWA	100 ppm TWA; 435 mg/m3 TWA
2-AMINOETHANOL 141-43-5	1-10	3 ppm TWA; 7.5 mg/m3 TWA	3 ppm TWA; 6 mg/m3 TWA
SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPH. 64742-88-7	1-10		400 ppm TWA; 1600 mg/m3 dust

3. IDENTIFICACION DE LOS PELIGROS

Vision General de Urgencia:

Perjudicial si se inhala. Nocivo si se traga. Ojo de la causa de mayo, piel e irritacion respiratoria. Los vapores son anestésicos en altas concentraciones. Los informes han asociado la sobreexposición relanzada y prolongada a los solventes al cerebro permanente y al daño nervioso del sistema (síndrome a "solventes" o "del pino" a veces referido). Los síntomas incluyen fatiga, dificultades de la concentración, ansiedad, la depresión, oscilaciones rápidas del humor y pérdida de la memoria a corto plazo. La exposición prolongada puede causar efectos del hígado y del riñón y puede afectar el sistema nervioso central. El cloruro de metileno tendrá un efecto en el sistema cardiovascular. La inhalación de altas concentraciones del cloruro de metileno concluido periodos del tiempo largos ha causado el cáncer en animales de laboratorio. Deliberadamente concentrar y la inhalación del vapor pueden ser dañosos o fatales.

Principales Vias de Exposición:

El ojo y la piel entran en contacto con, Ingestion, Inhalacion.

Muestra y Sintomas de la Exposición:

La sobreexposición excesiva puede causar los vertigos, dolor de cabeza, nausea y en casos extremos, Inconsciencia y depresion respiratoria. La inhalación puede causar la irritación suave a la nariz, a la garganta y a la zona respiratoria y puede dar lugar a la depresión del sistema nervioso central. La sobreexposición puede causar rojez del ojo y de la piel.

Ingredients	Percent	NTP:	ACGIH Carcinogens	IARC:
DICHLOROMETHANE 75-09-2	60-70	Group 2: Suspect Carcinogen	A3 - Animal Carcinogen	Group 2B: Monograph 41, Supplement 7, Monograph 71; 1998
XYLENE, MIXTURE OF ISOMERS 1330-20-7	1-10	male rat-no evidence; female rat-no evidence; male mice-no evidence; female mice-no evidence	A4 - Not Classifiable as a Human Carcinogen	Group 3: Vol. 71, pg 1189, 1999

Nombre del producto:
Item No:

PX 4MA GASKET REMOVER 12OZ AE
80646

ETHYL BENZENE 100-41-4	1-10		Group 2: Vol. 77, pg 227, 2000
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Condiciones Médicas Agravadas por la Exposición: Enfermedades cardíacas, desórdenes respiratorios, enfermedades del hígado y del riñón, anemia y desórdenes del ritmo del corazón.

4. MEDIDAS DE PRIMEROS AUXILIOS

Ingestión: Si está iragado, no induzca vomitar. Obtenga la atención médica inmediatamente.
Inhalación: Si el producto se inhala, trasladar la víctima a un sitio bien ventilado. Si ésta no respira, practicar la respiración artificial, preferentemente boca a boca. Si respira con dificultad, administrar oxígeno. Procurar atención médica.
Contacto con la Piel: Quite la ropa contaminada. Lave el área con el jabón y riegue. Si persiste la irritación, busque la atención médica.
Contacto con los Ojos: En caso de contacto con el producto, lavar inmediatamente los ojos con abundante agua durante no menos de 15 minutos. Si la irritación persiste, procurar atención médica.

5. MEDIDAS CONTRA INCENDIOS

Temperatura de Inflamación (C): Less than 0 degrees F. -Based on propellant.
Medios de Extinción: Met-L-X u otros extintores de polvo en seco
Procedimientos Especiales para la Lucha Contra el Fuego: Los bomberos deben desgastar el aparato respiratorio autómo. Mantenga los envases frescos. Utilice el equipo o blindar requerido para proteger contra repartir o espresar de envases. El aerosol de agua puede ser Ineficaz en las llamas pero se debe utilizar mantener los envases frescos.
Productos Con Descomposición Peligrosa: Cloruro de hidrógeno. Emanaciones de óxido de cobre.
Peligros de Fuego/Explosión Accidental: Contenido bajo presión. La exposición a las temperaturas concludido 120 grados de F. pueden causar repartir o expresar. Utilice el equipo o blindar para proteger a personal contra repartir los envases.
Límite Explosivo: Inferior: 1.0
Superior: 12.7

6. MEDIDAS ANTE PERDIDAS ACCIDENTALES

Procedimientos Cuando se da un derrame: Elimine todas las fuentes de la ignición. Mantenga la buena ventilación. Tome el material con un absorbente inerte. Salve en un recipiente para residuos cerrado hasta la disposición.

7. MANIPULACION Y ALMACENAMIENTO

Almacenaje: Salve lejos de calor, de chispas o de llamas abiertas. No salve en las temperaturas sobre 120 grados de F.
Precauciones a Tener en Cuenta Para la Manipulación Y el Almacenamiento: Evitar el contacto con la piel y los ojos. No utilice cerca de calor, de chispas o de la llama abierta. No inhalar los vapores. Si existe una elevada concentración de vapor, abandonar el lugar inmediatamente. Utilizar sólo en un sitio bien ventilado. Intencionalmente concentrar y la inhalación del vapor pueden ser danosos o fatales. Lavarse las manos antes de comer, beber, mascar chicle, fumar o ir al servicio.

8. CONTROLES DE EXPOSICION/PROTECCION PERSONAL

Protección Para Ojos Y Rostro: Gafas de seguridad con protectores laterales o gafas protectoras químicas.
Protección de la Piel: De goma o plásticos guantes.
Ventilación: Se recomienda monitorizar el aire.
Protección Respiratoria: Utilice la protección respiratoria aprobada de NIOSH si se excede el TLV, o la sobreexposición es probable.

9. PROPIEDADES FISICAS Y QUIMICAS

Aspecto: Líquido limpio
Olor: OLOR A SOLVENTE
(F): <0 to 395 degrees F.
pH: Not determined
Descripción de la Solubilidad en Agua: Nil
Gravedad Específica: 1.02
VOC Contenido (%): 29.68 % by weight
Presión de Vapor (20 C): Not Determined
Densidad de Vapor (AIRE=1): Heavier than air

Nombre del producto: PX 4MA GASKET REMOVER 12OZ AE
Item No: 80646

Índice de Evaporación: Faster than ether

10. ESTABILIDAD Y REACTIVIDAD

Datos de Estabilidad: Estable en las condiciones normales.
Polimerización Peligrosa: POLIMERIZACIÓN NO OCURRE.
Incompatibilidades: Activos metales.
Condiciones/Peligros que se Deben Evitar: No exponer al calor ni almacenar a temperaturas superiores a 120 grados F. Mantener alejado del calor, chispas y llamas.
Productos Con Descomposición Peligrosa: Cloruro de hidrógeno. Emanaciones de óxido de cobre.

11. INFORMACION TOXICOLOGICA

Vea la Sección 3

12. INFORMACION ECOLOGICA

Ningunos datos disponibles

13. CONSIDERACIONES SOBRE LA ELIMINACION DE LOS RESIDUOS

Método de Eliminación de Residuos: La eliminación deberá ser hecha de acuerdo con las reglamentaciones federales, estatales y locales. Este envase se puede reciclar en el aerosol que recicla centros. Antes de ofrecer para reciclar, vacíe la lata usando el producto según la escritura de la etiqueta. Si el reciclaje no está disponible, envuelva y deseche en la basura.

Número de Desecho US EPA: D001/F002 - Desechos Peligrosos por 40CFR 261.21 and 261.31 (el cloruro de metileno).

14. INFORMACIONES SOBRE EL TRANSPORTE

DOT (49CFR 172)

Doméstico de Tierra Transportation

DOT Nombre del Envío: Materia del Consumidor
Clase de Peligro: ORM-D
Número NU/ID: Ninguno
Contaminante Marino: Ninguno

IATA

Nombre Transporte Aprobado: Aerosoles, Inflamable, conteniendo sustancias en la división 6.1, PG III.
Clasificación IATA-DGR: La División 2.1, Subsidiario Riesgo 6.1
Número NU/NA: UN 1950

IMDG:

Proper Shipping: Aerosoles, Limitada Cantidad
Clasificación Peligro: Clase 2.1
UN Number: UN 1950

15. INFORMACION SOBRE LA REGLAMENTACION VIGENTE

SARA 313 TITULO III LISTA DE PRODUCTOS QUIMICOS TOXICOS:
DICHLOROMETHANE, ETHYL BENZENE, XYLENE

California Prop 65:

ALERTA: Este producto contiene los productos químicos sabidos estado de California para causar los defectos del cancer y del nacimiento o el otro dano reproductivo.

TSCA Estado de Inventario:

Todos los componentes de este producto se enumeran (o exima) en el inventario de EPA TSCA.

16. OTRAS INFORMACIONES

Índice NFPA: INFLAMABILIDAD 4, REACTIVIDAD 1, SALUD 3
Clasificación HMIS: SALUD 3, INFLAMABILIDAD 4, FISICOS PELIGRO 0

NFPA es una marca registrada de la Asociación Nacional de la Protección Contra los Incendios

Nombre del producto: PX 4MA GASKET REMOVER 12OZ AE
Item No: 80646

HMIS es una marca registrada de la Asociacion Nacional de la Pintura y de las Capas.

Preparado Por: Denise Boyd Encargado de salud y de seguridad
Company: Permatex, Inc. 10 Columbus Blvd. Hartford, CT 06106
Numero de telefono: 1-87-Permatex (877) 376-2839
Fecha de Revisión: 09/27/2001

Numero de revision: 3



Material Safety Data Sheet

International Truck and Engine Corporation
4201 Winfield Road
Warrenville, IL 60555 USA

Part No. ZGGR725025

The MSDS was received from Castrol as current on May 16, 2006.
The MSDS was not available in French or Spanish on May 16, 2006.

Trade Name: Castrol/JHN ESTER 100 VIS
MSDS NO. 6708
Revision Date: 05/14/2003
Date Printed: 12/04/2003

BERGSTROM PART # 525677
NEW # 530947

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Castrol/JHN ESTER 100 VIS
Chemical Family: Refrigeration Oil
Synonyms: None
Emergency Telephone (24 hr.): CHEMTREC 1-800-424-9300
Supplier: Technical Chemical Company, P.O. Box 139, Cleburne, Texas 76033

2. COMPOSITION/INFORMATION ON INGREDIENTS

Contains no ingredients now known to be hazardous as defined by OSHA. Castrol is registered in the U.S. Patent and Trademark Office.

3. HAZARDS IDENTIFICATION

Emergency Overview: This material is irritating to skin, eyes and mucous membranes. Ingestion of this product may cause gastrointestinal distress with symptoms of nausea, vomiting, diarrhea and abdominal pain.

HMS Classification: Health: 1 Flammability: 1 Physical Hazard: 0
NFPA Rating: Health: 1 Flammability: 1 Reactivity: 0

4. FIRST AID MEASURES

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Seek medical attention if irritation persists.
Ingestion: Do Not Induce Vomiting. Give nothing by mouth. Get medical attention! If vomiting occurs, keep head lower than hips to prevent aspiration.
Inhalation: If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.
Skin Contact: Remove contaminated clothing and shoes, and launder before reuse. Get medical attention if irritation persists. Wash with soap and water. Use skin cream for defatted areas.

5. FIRE FIGHTING MEASURES

Flammable Properties:
Flash Point °F(°C): 464 F. (240 C.)
Flash Point Method: COC
Flammable Limits in Air - Lower (%): Not Determined
Flammable Limits in Air - Upper (%): Not Determined
Autoignition Temperature °F(°C): Not Determined
Extinguishing Media: Carbon dioxide, Dry Chemical, Foam.

Protection Of Fire-Fighters:
Special Fire-Fighting Procedures: Wear approved positive-pressure self-contained breathing apparatus and protective clothing. Do not direct a solid stream of water or foam into hot, burning pools; this may cause frothing and increase fire intensity.

Hazardous Combustion Products: Oxides of carbon, nitrogen and phosphorus.
Aerosol comments: Not applicable

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate protective clothing and equipment to prevent skin and eye contact.
Spill Procedures: Wear protective equipment specified. Contain any liquid from leaking containers. Absorb spills on inert material such as perlite, vermiculite, sand or dirt. Place in double polyethylene bags. Isolate from other waste materials. Wash walking surfaces with detergent and water to reduce slipping hazard.
Environmental Precautions: Do not allow to enter sanitary drains, sewer or surface and subsurface waters.

7. HANDLING AND STORAGE

Handling and Storage: Avoid contact with eyes. Keep containers tightly closed when not in use. Use only in a well ventilated area. Good hygienic practices should be observed. Work clothes should be washed separately at the end of each work day. Disposable clothing should be discarded with material. Wash thoroughly after handling. Do Not Swallow. Store at room temperature. Avoid prolonged/repeated breathing of vapors, mists or fumes.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Eyewash stations. Showers.
Eyes: Chemical goggles; also wear a face shield if splashing hazard exists.
Skin Protection: Neoprene coated apron or clothing.
Respiratory Protection: Appropriate respiratory protection shall be worn when applied engineering controls are not adequate to protect against inhalation exposure.

Trade Name: Castrol/ JHN Ester 100 VIS

MSDS NO. 6708

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, colorless liquid	pH Value:	Not Determined
Odor:	SLIGHT HYDROCARBON	Vapor Density (Air=1):	Not Determined
Vapor Pressure:	Not Determined	Melting/Freezing Point:	Not Determined
Boiling Point (°F):	Not Determined	Bulk Density at 20°C:	Not Determined
Solubility in Water:	INSOLUBLE	Evaporation Rate:	Not Determined
Molecular Weight:	Mixture	Specific Gravity (H2O=1):	.9500 @ 60F
Viscosity:	93- 103 cSt @ 40C	Decomposition Temperature:	Not Known
VOC Content(%):	Not determined.		

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal conditions of handling, use and transportation.
Conditions to Avoid:	High temperatures.
Materials to Avoid:	Strong oxidizing agents.
Hazardous Decomposition Products:	Oxides of nitrogen Oxides of carbon. Oxides of sulfur.
Hazardous Polymerization:	WILL NOT OCCUR

11. TOXICOLOGICAL INFORMATION

Toxicological Data:

Carcinogenicity:

No component known to be present in this product at >.1% is presently listed as a carcinogen by IARC, NTP or OSHA.

12. ECOLOGICAL INFORMATION

Ecological testing has not been conducted on this product.

13. DISPOSAL CONSIDERATION

Waste Classification: This product as purchased does not fall under current U.S. EPA RCRA definitions of hazardous waste. Under RCRA it is the generator's responsibility to determine the status of the waste at the time of its disposal. This product does not contain any CERCLA regulated materials.

Waste Management: Not determined.

Disposal of this material to the land may be banned by federal law (40 CFR 268).

14. TRANSPORTATION INFORMATION

U.S. DOT:		
Proper Shipping Name:		Not Regulated
Hazard Class:		Not Applicable
UN/NA Number:		Not Applicable
DOT Packing Group:		Not Applicable
IMDG:		
Proper Shipping Name:		Not determined
Hazard Class:		Not determined
Hazard Subclass:		Not determined
UN No.:		Not determined
Packing Group:		Not determined
Marine Pollutant:		No

15. REGULATORY INFORMATION

US Federal Regulations:

Trade Name: Castrol/JHN Ester 100 VIS

MSDS NO. 6708

Hazardous per OSHA 29 CFR 1910.1200

SARA 311/312 Hazard Categories: Immediate Health: Yes, Delayed Health: No, Fire: No, Reactive: No, Pressure: No.

State Regulations:

U.S. TSCA:

All components of this product are on the TSCA Inventory or are exempt from TSCA inventory requirements

16. OTHER INFORMATION

General Notes: Do not allow undiluted material or large quantities to reach groundwater, bodies of water or sewer system.

Disclaimer:

The information and recommendations contained herein are based upon tests believed to be reliable. However, Technical Chemical Company does not guarantee their accuracy or completeness NOR SHALL ANY OF THIS INFORMATION CONSTITUTE A WARRANTY, WHETHER EXPRESSED OR IMPLIED, AS TO THE SAFETY OF THE GOODS, THE MERCHANTABILITY OF THE GOODS, OR THE FITNESS OF THE GOODS FOR A PARTICULAR PURPOSE. Adjustment to conform to actual conditions of usage may be required. Technical Chemical Company assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied.



International Truck and Engine

International Truck and Engine Corporation
4201 Winfield Road
Warrenville, IL 60555 USA

Part No. 1691575C2 1691575C3 1691575C4 1691576C2 1691576C3 1691576C4

The MSDS was received from Warren Oil as current on March 15, 2007.

WARREN OIL COMPANY, INC.

Fletrite D/M Automatic Transmission Fluid

Date of Preparation: March 15, 2007

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Fletrite D/M Automatic Transmission Fluid

Chemical Family: Blend

Manufacturer: Warren Oil Company, Inc.
PO Box 1507
Dunn, NC 28334

CHEMTREC NUMBER:
Domestic: 800-424-9300
International: 703-527-3887

EMERGENCY TELEPHONE NUMBERS:

Warren Oil Company, Inc. (910) 892-6456 Normal Business Hours
(800) 779-6456 After Business Hours

SECTION 2: COMPOSITION/INFORMATION AND INGREDIENTS

Chemical Ingredient

Base Lubricating Oil	85 - 90%
Detergent/Inhibitor System	10 - 15%
Dye	<1 %

This product is Not Hazardous according to OSHA 29 CFR 1910.1200.

SECTION 3: HAZARD IDENTIFICATION

EMERGENCY OVERVIEW: *Oil mist, if generated.*

HMIS Hazard Rating

H	1
F	1
R	0

US OSHA HAZARD COMMUNICATION STANDARD: Product assessed in accordance with OSHA 29 CFR 1910.1200 and determined not to be hazardous.

Potential Health Effects:

Inhalation: Vapor pressure is very low. Vapor inhalation under ambient conditions is normally not a problem.

Eye Contact: Expected to be minor eye irritant.

Skin Contact: This product may cause slight skin irritation upon direct contact. Repeated or prolonged skin contact may cause dermatitis.

Ingestion: Do not ingest. Not expected to be acutely toxic.

Chronic: None known.

SECTION 4: FIRST AID MEASURES

Inhalation: Remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult give oxygen. Get medical attention.

Eye Contact: Flush eyes with large amounts of water until irritation subsides. If irritation persists, get medical attention.

Skin Contact: No treatment is necessary under ordinary circumstances. Remove contaminated clothing. Wash contaminated area thoroughly with soap and water. If redness or irritation occurs and persists, seek medical attention.

Ingestion: If swallowed, DO NOT induce vomiting. If victim exhibits signs of lung aspiration such as coughing or choking, seek immediate medical attention.

SECTION 5: FIRE-FIGHTING MEASURES

Flashpoint (method): 320°F (ASTM D-92)

Flammable Limits: Not established

Autoignition Temperature: No Data Available

Extinguishing Media: Use dry chemical, foam, or carbon dioxide.

Fire-Fighting Instructions: Dense smoke may be generated while burning. Carbon monoxide, carbon dioxide, and other oxides may be generated as products of combustion. Avoid breathing smoke and vapor.

Fire-Fighting Equipment: Wear self-contained breathing apparatus and protective clothing. Water may be used to cool containers exposed to heat or flame.

Hazardous Combustion By-products: None.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spill/Leak Procedures: Remove sources of ignition. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Take up small spills with absorbent pads. Large spills may be taken up with pump or vacuum.

SECTION 7: HANDLING AND STORAGE

Storage Temperature: Ambient

Storage Pressure: Atmospheric

General: Keep container closed. Store in a cool, well-ventilated place. Keep away from heat, sparks and flame. Empty containers may contain residues.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:

This product does not contain any components with OSHA or ACGIH exposure limits.

Ventilation: Good general ventilation at source of vapor.

Personal Hygiene: Always wash hands and face with soap and water before eating, drinking or smoking.

Respiratory Protection: Respiratory protection is not required under conditions of normal use. If vapor or mist is generated when the material is heated or handled, use an organic vapor respirator with a dust or mist filter.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Odor: Red, clear and bright

Vapor Density: No data available

Solubility in Water: Soluble in water

Specific Gravity: 0.87

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: High heat and open flames.

Materials to Avoid: Strong oxidizing agents.

SECTION 11: TOXICOLOGICAL INFORMATION

Oral Toxicity: No information available

Dermal Toxicity: No information available

Inhalation Toxicity: No information available

Eye Irritation: No information available

Skin Irritation: No information available

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Regulatory Information: All disposals must comply with federal, state and local requirements.

SECTION 14: TRANSPORTATION INFORMATION

US DOT Information

Shipping Name: Not regulated as a hazardous material

Hazard Class: Not classified

UN/NA #: Not classified

Packing Group: Not classified

Required Label(s): None

IMO/IMDG Shipping Description: Petroleum Lubricating Oil is not regulated as dangerous goods for transport.

ICA/IATA Shipping Description: Petroleum Lubricating Oil is not regulated as dangerous goods for transport.

International Transportation Regulations

Not regulated as dangerous goods.

SECTION 15: REGULATORY INFORMATION

TSCA: This material is in compliance with the Toxic Substances control Act (15 USC 2601-2629) and is listed in the TSCA Inventory.

Health & Safety: 10 IARC carcinogen, 11 - NTP carcinogen, 12 - OSHA carcinogen, 15 - ACGIH TLV, 16 - OSHA PEL, 17 - NIOSH exposure limit, 20 - US DOT Appendix A, Hazardous substances, 22 - FDA 21 CFR Total food additives, 23 - NFPA 49 or 325

Environmental: 30 - CAA 1990 Hazardous air pollutants, 31 - CAA Ozone depleters, 33 - CAA HON rule, 34 - CAA Toxic substance for accidental release prevention, 35 - CAA Volatile organic compounds (VOC's) in SOCM, 41 - CERCLA/SARA Section 302 extremely hazardous substances, 42 - CERCLA/SARA Section 313 emissions reporting, 43 - CWA Hazardous substances, 44 - CWA Priority pollutants, 45 - CWA Toxic pollutants, 46 - EPA Proposed test rule for hazardous air pollutants, 47 - RCRA Basis for listing - Appendix VII, 48 - RCRA waste, 49 - SDWA - (S)MCLs

State Lists: 60 - CA Proposition 65, 61 - FL - Substances, 62 - MI - Critical materials, 63 - MA - RTK, 64 - MA - Extraordinarily hazardous substances, 65 - MN - Hazardous substances, 66 - PA - RTK, 67 - NJ - RTK, 68 - NJ - Environmental hazardous substances, 69 - NJ - Special hazardous substances

Regulatory Search Results:

No components appear on any of the regulatory lists searched.

SARA Section 313: This product is not known to contain any SARA, Title III, Section 313 Reportable Chemicals at or greater than 1.0% (0.1% for carcinogens).

Disclaimer: Warren Industrial Lubricants, Inc. believes this information is accurate but not all-inclusive in all circumstances. It is the responsibility of the user to determine suitability of the material for their purposes. No warranty, expressed or implied, is given.



Material Safety Data Sheet

International Truck and Engine Corporation
4701 Weymouth Road
Warren, MI 48090 USA

Part No. ZJB222220G3

Material Safety Data Sheet

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Delo® 400 LE SAE 15W-40

Product Use: Engine Oil

Product Number(s): CPS222220

Company Identification

Chevron Products Company

a division of Chevron U.S.A. Inc.

6001 Bollinger Canyon Rd.

San Ramon, CA 94583

United States of America

www.chevronlubricants.com

Transportation Emergency Response

CHEMTREC: (800) 424-9300 or (703) 527-3887

Health Emergency

Chevron Emergency Information Center: Located in the USA. International collect calls accepted. (800) 231-0623 or (510) 231-0623

Product Information

email : lubemsds@chevron.com

Product Information: (800) LUBE TEK

MSDS Requests: (800) 414-6737

SECTION 2 COMPOSITION/ INFORMATION ON INGREDIENTS		
COMPONENTS	CAS NUMBER	AMOUNT
Highly refined mineral oil (C15 - C50)	Mixture	60 - 100 %weight
Zinc alkyl dithiophosphate	68649-42-3	1 - 5 %weight

SECTION 3 HAZARDS IDENTIFICATION

IMMEDIATE HEALTH EFFECTS

Eye: Not expected to cause prolonged or significant eye irritation.

Skin: Contact with the skin is not expected to cause prolonged or significant irritation. Contact with the skin is not expected to cause an allergic skin response. Not expected to be harmful to internal organs if absorbed through the skin.

Ingestion: Not expected to be harmful if swallowed.

Inhalation: Not expected to be harmful if inhaled. Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit. Symptoms of respiratory irritation may include coughing and difficulty breathing.

SECTION 4 FIRST AID MEASURES

Eye: No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes with water.

Skin: No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.

Ingestion: No specific first aid measures are required. Do not induce vomiting. As a precaution, get medical advice.

Inhalation: No specific first aid measures are required. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

SECTION 5 FIRE FIGHTING MEASURES

FIRE CLASSIFICATION:

OSHA Classification (29 CFR 1910.1200): Not classified by OSHA as flammable or combustible.

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

FLAMMABLE PROPERTIES:

Flashpoint: (Cleveland Open Cup) 204 °C (399 °F) Minimum

Autoignition: No Data Available

Flammability (Explosive) Limits (% by volume in air): Lower: Not Applicable Upper: Not Applicable

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

PROTECTION OF FIRE FIGHTERS:

Fire Fighting Instructions: This material will burn although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

Combustion Products: Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Protective Measures: Eliminate all sources of ignition in vicinity of spilled material.

Spill Management: Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.

Reporting: Report spills to local authorities and/or the U.S. Coast Guard's National Response Center at (800) 424-8802 as appropriate or required.

SECTION 7 HANDLING AND STORAGE

Precautionary Measures: Keep out of the reach of children.

General Handling Information: Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

Static Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures. For more information, refer to OSHA Standard 29 CFR 1910.106, 'Flammable and Combustible Liquids', National Fire Protection Association (NFPA 77, 'Recommended Practice on Static Electricity', and/or the American Petroleum Institute (API) Recommended Practice 2003, 'Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents'.

Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONSIDERATIONS:

Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and

limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

ENGINEERING CONTROLS:

Use in a well-ventilated area.

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection: No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice.

Skin Protection: No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances in the workplace. Suggested materials for protective gloves include: 4H (PE/EVAL), Nitrile Rubber, Silver Shield, Viton.

Respiratory Protection: No respiratory protection is normally required.

If user operations generate an oil mist, determine if airborne concentrations are below the occupational exposure limit for mineral oil mist. If not, wear an approved respirator that provides adequate protection from the measured concentrations of this material. For air-purifying respirators use a particulate cartridge.

Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.

Occupational Exposure Limits:

Component	Agency	TWA	STEL	Ceiling	Notation
Highly refined mineral oil (C15 - C50)	ACGIH	5 mg/m ³	10 mg/m ³	--	--
Highly refined mineral oil (C15 - C50)	OSHA Z-1	5 mg/m ³	--	--	--

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

Color: Brown

Physical State: Liquid

Odor: Petroleum odor

pH: Not Applicable

Vapor Pressure: <0.01 mmHg @ 37.8 °C (100 °F)

Vapor Density (Air = 1): >1

Boiling Point: >315°C (599°F)

Solubility: Soluble in hydrocarbons; insoluble in water

Freezing Point: Not Applicable

Melting Point: Not Applicable

Specific Gravity: 0.87 - 0.9 @ 15.6°C (60.1°F) / 15.6°C (60.1°F)

Density: 0.8806 kg/l @ 15°C (59°F) (Typical)

Viscosity: 15.3 mm²/s @ 100°C (212°F) (Min)

Evaporation Rate: No Data Available

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Incompatibility With Other Materials: May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

Hazardous Decomposition Products: None known (None expected)

Hazardous Polymerization: Hazardous polymerization will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

IMMEDIATE HEALTH EFFECTS

Eye Irritation: The eye irritation hazard is based on evaluation of data for similar materials or product components.

Skin Irritation: The skin irritation hazard is based on evaluation of data for similar materials or product components.

Skin Sensitization: The skin sensitization hazard is based on evaluation of data for similar materials or product components.

Acute Dermal Toxicity: The acute dermal toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Oral Toxicity: The acute oral toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Inhalation Toxicity: The acute inhalation toxicity hazard is based on evaluation of data for similar materials or product components.

ADDITIONAL TOXICOLOGY INFORMATION:

This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B). These oils have not been classified by the American Conference of Governmental Industrial Hygienists (ACGIH) as: confirmed human carcinogen (A1), suspected human carcinogen (A2), or confirmed animal carcinogen with unknown relevance to humans (A3). During use in engines, contamination of oil with low levels of cancer-causing combustion products occurs. Used motor oils have been shown to cause skin cancer in mice following repeated application and continuous exposure. Brief or intermittent skin contact with used motor oil is not expected to have serious effects in humans if the oil is thoroughly removed by washing with soap and water.

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY

This material is not expected to be harmful to aquatic organisms. The ecotoxicity hazard is based on an evaluation of data for the components or a similar material.

ENVIRONMENTAL FATE

Ready Biodegradability: This material is not expected to be readily biodegradable. The biodegradability of this material is based on an evaluation of data for the components or a similar material.

SECTION 13 DISPOSAL CONSIDERATIONS

Use material for its intended purpose or recycle if possible. Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

SECTION 14 TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT Shipping Description: PETROLEUM LUBRICATING OIL, NOT REGULATED AS A HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER 49 CFR

Additional Information: NOT HAZARDOUS BY U.S. DOT. ADR/RID HAZARD CLASS NOT APPLICABLE.

IMO/IMDG Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER THE IMDG CODE (AMENDMENT 34-08)

ICAO/IATA Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER ICAO TI OR IATA DGR

SECTION 15 REGULATORY INFORMATION

EPCRA 311/312 CATEGORIES: 1. Immediate (Acute) Health Effects: NO

2. Delayed (Chronic) Health Effects: NO

3. Fire Hazard: NO

4. Sudden Release of Pressure Hazard: NO

5. Reactivity Hazard: NO

REGULATORY LISTS SEARCHED:

01-1=IARC Group 1
01-2A=IARC Group 2A
01-2B=IARC Group 2B
02=NTP Carcinogen

03=EPCRA 313
04=CA Proposition 65
05=MA RTK
06=NJ RTK
07=PA RTK

The following components of this material are found on the regulatory lists indicated.

Zinc alkyl dithiophosphate 03, 06

CHEMICAL INVENTORIES:

All components comply with the following chemical inventory requirements: DSL (Canada), IECSC (China), KECI (Korea), PICCS (Philippines), TSCA (United States).

One or more components is listed on ELINCS (European Union). Secondary notification by the importer may be required. All other components are listed or exempted from listing on EINECS.

One or more components does not comply with the following chemical inventory requirements: AICS (Australia), ENCS (Japan).

NEW JERSEY RTK CLASSIFICATION:

Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows: PETROLEUM OIL. (Motor oil)

WHMIS CLASSIFICATION:

This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations.

SECTION 16 OTHER INFORMATION

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

HMIS RATINGS: Health: 1 Flammability: 1 Reactivity: 0

(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, * - Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

LABEL RECOMMENDATION:

Label Category : ENGINE OIL 1 - ENG1

REVISION STATEMENT: This revision updates the following sections of this Material Safety Data Sheet: 2,5,9,11,12,14,15,16.

Revision Date: July 15, 2009

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	PEL - Permissible Exposure Limit
	CAS - Chemical Abstract Service Number
ACGIH - American Conference of Government Industrial Hygienists	IMO/IMDG - International Maritime Dangerous Goods Code
API - American Petroleum Institute	MSDS - Material Safety Data Sheet
CVX - Chevron	NFPA - National Fire Protection Association (USA)
DOT - Department of Transportation (USA)	NTP - National Toxicology Program (USA)
IARC - International Agency for Research on Cancer	OSHA - Occupational Safety and Health Administration
Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the Chevron Energy Technology Company, 100 Chevron Way, Richmond, California 94802.	
The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.	

H2

Material Safety Data Sheet Navistar Inc.
 4201 Winfield Road
 Warrenville, IL 60555 USA

Part No. ZJJ996723A ZJJ996900C
 The MSDA was received from Shell Oil as current on September 22, 2008.
 The MSDS was not available in French or Spanish.

Fleetrite Premium Antifreeze/Coolant Concentrate
 MSDS# 402048X
 Version 3.1
 Effective Date 07/08/2008
 According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Material Safety Data Sheet

1. MATERIAL AND COMPANY IDENTIFICATION

Material Name : Fleetrite Premium Antifreeze/Coolant Concentrate
Uses : Antifreeze and coolant.

Manufacturer/Supplier : Specialty Oil Company
 PO Box 4427
 Houston, TX 77210-4427
 USA

MSDS Request : 877-276-7285

Emergency Telephone Number
Spill Information : 877-242-7400
Health Information : 877-504-9351



2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Identify	CAS No.	Concentration
Ethanediol	107-21-1	60.00 - 100.00 %

Mixture of ethylene glycol, isopropyl alcohol and distilled water.

3. HAZARDS IDENTIFICATION

Emergency Overview	
Appearance and Odour	: May be dyed. Liquid at room temperature. Characteristic.
Health Hazards	: Harmful or fatal if swallowed. May cause acidosis, cardiopulmonary and kidney effects.
Environmental Hazards	: May cause long-term adverse effects in the aquatic environment.

Health Hazards

Inhalation : Slightly irritating to respiratory system.
Skin Contact : May cause moderate irritation to skin.
Eye Contact : Moderately irritating to eyes.
Ingestion : Harmful if swallowed. May cause acidosis, cardiopulmonary and kidney effects. Ingestion may cause drowsiness and dizziness.

Other Information : Possibility of organ or organ system damage from prolonged exposure; see Chapter 11 for details. Target organ(s):
 Kidney.
 Lungs.
 Cardiovascular system.
 Intentional abuse, misuse or other massive exposure may cause multiple organ damage and or death.

Signs and Symptoms : Kidney toxicity may be recognized by blood in the urine or increased or decreased urine flow. Other signs and symptoms can include nausea, vomiting, abdominal cramps, diarrhoea, lumbar pain shortly after ingestion, and possibly narcosis and

Material Safety Data Sheet

death. High concentrations may cause central nervous system depression resulting in headaches, dizziness and nausea; continued exposure may result in unconsciousness and/or death.

- Aggravated Medical Condition** : Pre-existing medical conditions of the following organ(s) or organ system(s) may be aggravated by exposure to this material; Kidney, Cardiovascular system.
- Environmental Hazards** : Not classified as dangerous for the environment.
- Additional Information** : Under normal conditions of use or in a foreseeable emergency, this product meets the definition of a hazardous chemical when evaluated according to the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

4. FIRST AID MEASURES

- General Information** : DO NOT DELAY. Keep victim calm. Obtain medical treatment immediately.
- Inhalation** : Remove to fresh air. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.
- Skin Contact** : Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available. If persistent irritation occurs, obtain medical attention.
- Eye Contact** : Flush eye with copious quantities of water. If persistent irritation occurs, obtain medical attention.
- Ingestion** : DO NOT DELAY. If swallowed, do not induce vomiting; transport to nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.
- Advice to Physician** : IMMEDIATE TREATMENT IS EXTREMELY IMPORTANT! The preferred treatment is immediate transportation to a medical facility and use of appropriate treatment including possible administration of activated charcoal, gastric lavage and or gastric aspiration. If none of the above are immediately available and a delay of more than one hour is anticipated before such medical attention can be obtained, induction of vomiting may be appropriate using IPECAC syrup (Contraindicated if there are any signs of CNS depression). This should be considered on a case by case basis following specialist advice. Specific other treatments include may include ethanol therapy, fomepizole, treatment of acidosis and haemodialysis. Seek specialist advice without delay.

5. FIRE FIGHTING MEASURES

Clear fire area of all non-emergency personnel.

- Flash point** : Typical 130 °C / 266 °F (Pensky-Martens Closed Cup)
- Upper / lower Flammability or Explosion limits** : 3 - 15 %(V)
- Auto Ignition temperature** : > 200 °C / 392 °F
- Specific Hazards** : Hazardous combustion products may include: A complex

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mixture of airborne solid and liquid particulates and gases (smoke). Carbon monoxide. Unidentified organic and inorganic compounds.

- Suitable Extinguishing Media** : Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.
- Unsuitable Extinguishing Media** : Do not use water in a jet.
- Protective Equipment for Firefighters** : Proper protective equipment including breathing apparatus must be worn when approaching a fire in a confined space.

6. ACCIDENTAL RELEASE MEASURES

Avoid contact with spilled or released material. For guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. See Chapter 13 for information on disposal. Observe all relevant local and international regulations.

- Protective measures** : Avoid contact with skin and eyes. Use appropriate containment to avoid environmental contamination. Prevent from spreading or entering drains, ditches or rivers by using sand, earth, or other appropriate barriers.

- Clean Up Methods** : For large liquid spills (> 1 drum), transfer by mechanical means such as vacuum truck to a salvage tank for recovery or safe disposal. Do not flush away residues with water. Retain as contaminated waste. Allow residues to evaporate or soak up with an appropriate absorbent material and dispose of safely. Remove contaminated soil and dispose of safely.

For small liquid spills (< 1 drum), transfer by mechanical means to a labelled, sealable container for product recovery or safe disposal. Allow residues to evaporate or soak up with an appropriate absorbent material and dispose of safely. Remove contaminated soil and dispose of safely.

- Additional Advice** : U.S. regulations may require reporting releases of this material to the environment which exceed the reportable quantity (refer to Chapter 15) to the National Response Centre at (800) 424-8802. Local authorities should be advised if significant spillages cannot be contained.

7. HANDLING AND STORAGE

- General Precautions** : Use local exhaust ventilation if there is risk of inhalation of vapours, mists or aerosols. Properly dispose of any contaminated rags or cleaning materials in order to prevent fires. Use the information in this data sheet as input to a risk assessment of local circumstances to help determine appropriate controls for safe handling, storage and disposal of this material.

- Handling** : Avoid prolonged or repeated contact with skin. Avoid inhaling vapour and/or mists. When handling product in drums, safety footwear should be worn and proper handling equipment should be used.

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- Storage** : Keep container tightly closed and in a cool, well-ventilated place. Use properly labelled and closeable containers. Storage Temperature: 0 - 50 °C / 32 - 122 °F
- Recommended Materials** : For containers or container linings, use mild steel or high density polyethylene.
- Unsuitable Materials** : Zinc. Avoid contact with galvanized materials.
- Additional Information** : Polyethylene containers should not be exposed to high temperatures because of possible risk of distortion.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Occupational Exposure Limits**

Material	Source	Type	ppm	mg/m3	Notation
Ethanediol	ACGIH	Ceiling(Aerosol.)		100 mg/m3	
Ethanediol	OSHA Z1A	Ceiling	50 ppm	125 mg/m3	

- Exposure Controls** : The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Select controls based on a risk assessment of local circumstances. Appropriate measures include: Adequate ventilation to control airborne concentrations. Where material is heated, sprayed or mist formed, there is greater potential for airborne concentrations to be generated.
- Personal Protective Equipment** : Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers.
- Respiratory Protection** : No respiratory protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid breathing of material. If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, select respiratory protection equipment suitable for the specific conditions of use and meeting relevant legislation. Check with respiratory protective equipment suppliers. Where air-filtering respirators are suitable, select an appropriate combination of mask and filter. Select a filter suitable for combined particulate/organic gases and vapours (boiling point >65 °C (149 °F)).
- Hand Protection** : Where hand contact with the product may occur the use of gloves approved to relevant standards (e.g. Europe: EN374, US: F739) made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly.

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Eye Protection	: Application of a non-perfumed moisturizer is recommended. : Wear safety glasses or full face shield if splashes are likely to occur.
Protective Clothing	: Skin protection not ordinarily required beyond standard issue work clothes.
Monitoring Methods	: Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls. For some substances biological monitoring may also be appropriate.
Environmental Exposure Controls	: Minimise release to the environment. An environmental assessment must be made to ensure compliance with local environmental legislation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: May be dyed. Liquid at room temperature.
Odour	: Characteristic.
pH	: Not applicable.
Initial Boiling Point and Boiling Range	: > 100 °C / 212 °F estimated value(s)
Freezing Point	: Typical -30 °C / -22 °F
Flash point	: Typical 130 °C / 266 °F (Pensky-Martens Closed Cup)
Upper / lower Flammability or Explosion limits	: 3 - 15 %(V)
Auto-ignition temperature	: > 200 °C / 392 °F
Specific gravity	: Typical 1.1 at 15 °C / 59 °F
Density	: Typical 909 g/cm ³ at 15 °C / 59 °F
Water solubility	: Completely Soluble
n-octanol/water partition coefficient (log Pow)	: Data not available
Kinematic viscosity	: Typical 30 mm ² /s at 40 °C / 104 °F
Evaporation rate (nBuAc=1)	: Data not available

10. STABILITY AND REACTIVITY

Stability	: Stable.
Conditions to Avoid	: Extremes of temperature and direct sunlight.
Materials to Avoid	: Strong oxidising agents.
Hazardous Decomposition Products	: Hazardous decomposition products are not expected to form during normal storage.

11. TOXICOLOGICAL INFORMATION

Basis for Assessment	: Information given is based on data on the components and the toxicology of similar products.
Acute Oral Toxicity	: Harmful if swallowed. LD50 > 300 - <= 2000 mg/kg , Rat Classified as harmful by the European Commission. There is a marked difference in acute oral toxicity between rodents and man, man being more susceptible than rodents. The estimated fatal dose for man is 100 millilitres (1/2 cup). This material has

Material Safety Data Sheet

also been shown to be toxic and potentially lethal by ingestion to cats and dogs. Ingestion may cause drowsiness and dizziness.

Acute Dermal Toxicity	: Expected to be of low toxicity: LD50 >2000 mg/kg, Rabbit
Skin Irritation	: May cause moderate skin irritation (but insufficient to classify).
Eye Irritation	: Moderately irritating to eyes (but insufficient to classify).
Respiratory Irritation	: Inhalation of vapours or mists may cause irritation.
Sensitisation	: Not expected to be a skin sensitiser.
Repeated Dose Toxicity	: Kidney: can cause kidney damage.
Mutagenicity	: Not considered a mutagenic hazard.
Carcinogenicity	: Components are not known to be associated with carcinogenic effects.

Material	Carcinogenicity Classification
Ethanediol	ACGIH Group A4: Not classifiable as a human carcinogen.
Sodium molybdate	ACGIH Group A3: Confirmed animal carcinogen with unknown relevance to humans.

Reproductive and Developmental Toxicity	: Causes foetotoxicity in animals; considered to be secondary to maternal toxicity.
--	---

12. ECOLOGICAL INFORMATION

Ecotoxicological data have not been determined specifically for this product. Information given is based on a knowledge of the components and the ecotoxicology of similar products.

Acute Toxicity	: Expected to be practically non toxic: LC/EC/IC50 > 100 mg/l (to aquatic organisms)
Mobility	: Dissolves in water. If product enters soil, it will be highly mobile and may contaminate groundwater.
Persistence/degradability	: Readily biodegradable.
Bioaccumulation	: Not expected to bioaccumulate significantly.
Other Adverse Effects	: Not expected to have ozone depletion potential, photochemical ozone creation potential or global warming potential.

13. DISPOSAL CONSIDERATIONS

Material Disposal	: Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations. Do not dispose into the environment, in drains or in water courses.
Container Disposal	: Dispose in accordance with prevailing regulations, preferably to a recognised collector or contractor. The competence of the collector or contractor should be established beforehand.
Local Legislation	: Disposal should be in accordance with applicable regional, national, and local laws and regulations.

14. TRANSPORT INFORMATION

Material Safety Data Sheet

US Department of Transportation Classification (49CFR)

Identification number UN 3082
Proper shipping name Environmentally hazardous substances, liquid, n.o.s.
Technical name (Ethylene glycol)
Class / Division 9

Packing group III

IMDG

Identification number UN 3082
Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.

Technical name (Ethylene glycol)

Class / Division 9

Packing group III

Marine pollutant: No

IATA (Country variations may apply)

Identification number UN 3082
Proper shipping name Environmentally hazardous substance, liquid, n.o.s.

Technical name (Ethylene glycol)

Class / Division 9

Packing group III

15. REGULATORY INFORMATION

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

Federal Regulatory Status

Notification Status

DSL All components listed.
EINECS All components listed.
TSCA All components listed.

Comprehensive Environmental Release, Compensation & Liability Act (CERCLA)

Fleetrite Premium Antifreeze/Coolant Concentrate () Reportable quantity: 5473 lbs

Ethenediol (107-21-1) Reportable quantity: 5000 lbs

SARA Hazard Categories (311/312)
Immediate (Acute) Health Hazard.

SARA Toxic Release Inventory (TRI) (313)

Material Safety Data Sheet

Ethanediol (107-21-1)

91.35%

State Regulatory Status**California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)**

This material does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

New Jersey Right-To-Know Chemical List

Ethanediol (107-21-1)

Listed.

Pennsylvania Right-To-Know Chemical List

Ethanediol (107-21-1)

Environmental hazard.
Listed.

16. OTHER INFORMATION

NFPA Rating (Health, Fire, Reactivity) : 2, 1, 0

MSDS Version Number : 3.1

MSDS Effective Date : 07/08/2008

MSDS Revisions : A vertical bar (|) in the left margin indicates an amendment from the previous version.

MSDS Regulation : The content and format of this MSDS is in accordance with the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

MSDS Distribution : The information in this document should be made available to all who may handle the product.

Disclaimer : The information contained herein is based on our current knowledge of the underlying data and is intended to describe the product for the purpose of health, safety and environmental requirements only. No warranty or guarantee is expressed or implied regarding the accuracy of these data or the results to be obtained from the use of the product.



Filtration



Material Safety Data Sheet International Truck and Engine Corporation
2241 Fleetguard Road
Cookeville, TN 38506 USA

Part No. CC36078, CC2777 and others
see page 8

Cummins Filtration
1200 Fleetguard Road
Cookeville, Tennessee, U.S.A., 38506
Telephone: (931) 526-9551

ES COMPLETE OAT 50/50 PREMIX

MSDS No. LT3813:00

MSDS Preparation Date (dd/mm/yyyy): 07/12/2009

Page 1 of 7

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Product Identifier : **ES COMPLETE OAT 50/50 PREMIX**

Product Code(s) : CC3607700 (1 Gallon / 3.785 L Bottle); CC3607800 (55 gallon / 208 L Drum);
CC3607500 (275 gallon / 1040 L Tote tanks); CC3607400 (Bulk).

Product Use : Premixed antifreeze / coolant.

Chemical Family : Mixture.

Supplier's name and address: **Cummins Filtration**
1200 Fleetguard Road
Cookeville, TN, U.S.A.
38506

Manufacturer's name and address:
Refer to Supplier

Information Telephone # : (931) 526-9551 (Hours of operation: 24 Hours per day, 7 days per week)

24 Hr. Emergency Tel # : Chemtrec 1-800-424-0300 (Within Continental U.S.); Chemtrec 703-527-3887 (Outside U.S.).

SECTION 2 - HAZARDS IDENTIFICATION

Classification : WHIMIS classification:
Class D2A (Materials Causing Other Toxic Effects, Very Toxic Material);
Class D2B (Materials Causing Other Toxic Effects, Toxic Material).

OSHA: This material is classified as hazardous under OSHA regulations (29CFR 1910.1200). Hazardous classification:
Acute Health Hazard:
Chronic Health Hazard:

Emergency Overview : Red fluid. Little or no odor.
Warning: May be harmful or fatal if swallowed. Harmful if absorbed through the skin. May cause nausea, vomiting, headache and other central nervous system effects. Could also cause convulsions, coma, respiratory arrest and death. Causes eye irritation. Can cause kidney damage. May cause liver effects. Possible birth defect hazard - contains material that may cause birth defects, based on animal data.

POTENTIAL HEALTH EFFECTS:

Signs and symptoms of short-term (acute) exposure

Inhalation : Toxic in particulate form by inhalation. May cause irritation to the nose, throat and upper respiratory tract. If mists are inhaled, may cause tearing, general anesthesia, headache, coughing, respiratory stimulation, nausea, vomiting, pulmonary, kidney and liver damage.

Skin : May cause mild skin irritation. Product may be absorbed and cause symptoms similar to those listed for ingestion.

Eyes : May cause moderate to severe irritation. Symptoms may include inflammation and tearing.

Ingestion : Human poison by ingestion (lethal dose of Ethylene glycol for humans reported to be 100 mL). Symptoms may include pain, headache, nausea, vomiting, dizziness, drowsiness and other central nervous system effects. Initially, the central nervous system is stimulated, followed by depression. Could cause cyanosis (bluish discoloration of the skin due to deficient oxygenation of the blood). May potentially result in lethal kidney damage. Could also cause convulsions, coma, respiratory arrest and death.

Effects of long-term (chronic) exposure

: Prolonged or repeated ingestion may cause bladder or kidney stones.
 : See TOXICOLOGICAL INFORMATION, Section 11.

Carcinogenic status : See TOXICOLOGICAL INFORMATION, Section 11.

Adolfinal health hazards : Potential teratogen. See TOXICOLOGICAL INFORMATION, Section 11.

Potential environmental effects : See ECOLOGICAL INFORMATION, Section 12.



Filtration



Material Safety Data Sheet International Product and Origin Corporation
4801 W. 50th Road
Wrentham, MA 01963 USA

Part No. CC36078, CC2777 and others
see page 8

Cummins Filtration
1200 Fleetguard Road
Cookeville, Tennessee, U.S.A., 38506
Telephone: (931) 526-9551

ES COMPLEAT OAT 50/50 PREMIX

MSDS No. A73613500

MSDS Preparation Date (dd/mm/yyyy): 07/12/2009

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MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Product Identifier : ES COMPLEAT OAT 50/50 PREMIX

Product Code(s) : CC3607700 (1 Gallon / 3.785 L. Bottle); CC3607600 (55 gallon / 208 L. Drum);
CC3607500 (276 gallon / 1040 L. Tank); CC3607400 (Bulk)

Product Use : Premixed antifreeze / coolant.

Chemical Family : Mixture.

Supplier's name and address: **Cummins Filtration**
1200 Fleetguard Road
Cookeville, TN, U.S.A.
38508

Manufacturer's name and address: **Refer to Supplier**

Information Telephone # : (931) 526-9551 (Hours of operation: 24 Hours per day, 7 days per week)

24 Hr. Emergency Tel # : Chemtrec 1-800-424-9300 (Within Continental U.S.); Chemtrec 703-527-3887 (Outside U.S.)

SECTION 2 - HAZARDS IDENTIFICATION

Classification : WHMIS classification:
Class D2A (Materials Causing Other Toxic Effects, Very Toxic Material);
Class D2B (Materials Causing Other Toxic Effects, Toxic Material).

OSHA: This material is classified as hazardous under OSHA regulations (29CFR 1910.1200). Hazardous classification:
Acute Health Hazard;
Chronic Health Hazard.

Emergency Overview : Red liquid. Little or no odor.
Warning! May be harmful or fatal if swallowed. Harmful if absorbed through the skin. May cause nausea, vomiting, headache and other central nervous system effects. Could also cause convulsions, coma, respiratory arrest and death. Causes eye irritation. Can cause kidney damage. May cause liver effects. Possible birth defect hazard - contains material that may cause birth defects, based on animal data.

POTENTIAL HEALTH EFFECTS:

Signs and symptoms of short-term (acute) exposure

Inhalation : Toxic in particulate form by inhalation. May cause irritation to the nose, throat and upper respiratory tract. If mists are inhaled, may cause tearing, general anesthesia, headache, coughing, respiratory stimulation, nausea, vomiting, pulmonary, kidney and liver damage.

Skin : May cause mild skin irritation. Product may be absorbed and cause symptoms similar to those listed for ingestion.

Eyes : May cause moderate to severe irritation. Symptoms may include inflammation and tearing.

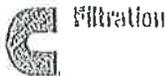
Ingestion : Human poison by ingestion (lethal dose of Ethylene glycol for humans reported to be 100 mL). Symptoms may include pain, headache, nausea, vomiting, dizziness, drowsiness and other central nervous system effects. Initially, the central nervous system is stimulated, followed by depression. Could cause cyanosis (bluish discoloration of the skin due to deficient oxygenation of the blood). May potentially result in lethal kidney damage. Could also cause convulsions, coma, respiratory arrest and death.

Effects of long-term (chronic) exposure

Carcinogenic status : Prolonged or repeated ingestion may cause bladder or kidney stones.
; See TOXICOLOGICAL INFORMATION, Section 11.

Additional health hazards : Potential teratogen. See TOXICOLOGICAL INFORMATION, Section 11.

Potential environmental effects : See ECOLOGICAL INFORMATION, Section 12.



Cummins Filtration
1200 Fleetguard Road
Cookeville, Tennessee, U.S.A., 38508
Telephone: (931) 528-0551

ES COMPLETE OAT 50/50 PREMIX

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SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS #	Wt. %
Ethylene glycol	107-21-1	30.00 - 60.00
Benzoin acid	85-84-0	1.00 - 5.00
potassium hydroxide	1310-58-3	1.00 - 5.00

SECTION 4 - FIRST AID MEASURES

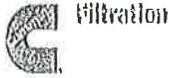
Inhalation	: Immediately remove person to fresh air. If breathing has stopped, give artificial respiration. Obtain medical attention if symptoms develop and persist.
Skin contact	: Immediately flush with plenty of water, while removing contaminated clothing. If irritation persists, seek prompt medical attention. Launder clothing before reuse.
Eye contact	: Immediately flush eye(s) with plenty of water. After initial flushing, remove any contact lenses if worn, and continue flushing for at least 6 to 10 minutes. If irritation persists, seek prompt medical attention.
Ingestion	: Toxic if swallowed. Call a physician or Poison Control Centre immediately. Induce vomiting ONLY under the direct supervision of qualified medical personnel or a poison control centre. Never give anything by mouth to an unconscious person.
Notes For Physician	: Prompt medical attention is important. Delayed treatment may result in fatality. This product is a CNS depressant. Use of ethanol may be helpful to counter the toxic effects of ethylene glycol by interfering with the absorption rate in the stomach and intestine.

SECTION 5 - FIRE FIGHTING MEASURES

Fire hazard/conditions of flammability	: Not flammable under normal conditions of handling. However, may ignite if exposed to extreme heat and flame. Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure.
Flammability classification (OSHA 29 CFR 1910.1200)	: Combustible Liquid Class III B.
Oxidizing properties	: None known.
Explosion data: Sensitivity to mechanical impact / static discharge	: Not expected to be sensitive to mechanical impact or static discharge.
Suitable extinguishing media	: Use media suitable to the surrounding fire such as water fog or fine spray, alcohol foams, carbon dioxide and dry chemical.
Special fire-fighting procedures/equipment	: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. Move containers from fire area if safe to do so. Water spray may be useful in cooling equipment exposed to heat and flame.
Hazardous combustion products	: Carbon oxides; formaldehyde.
NFPA Rating	: 0 - Minimal 1 - Slight 2 - Moderate 3 - Serious 4 - Severe Health: 2 Flammability: 1 Instability: 0 Special Hazards: None

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions	: Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. All persons dealing with clean-up should wear the appropriate protective equipment including self-contained breathing apparatus. Refer to Section 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION, for additional information on acceptable personal protective equipment.
Environmental precautions	: Ensure spilled product does not enter drains, sewers, waterways, or confined spaces. If necessary, dig well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply.



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- Spill response/cleanup** : Remove all sources of ignition. Ventilate area of release. Stop spill or leak at source if safely possible. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal (see Section 13). Contaminated absorbent material may pose the same hazards as the spilled product. Notify the appropriate authorities as required.
- Prohibited materials** : Use non-flammable absorbent only.
- Special spill response procedures** : In case of a transportation accident, contact CHEMTREC at 1-800-424-9300 or International at 1-703-527-3887. If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8002).
US CERCLA Reportable quantity (RQ): Ethylene glycol (6000 lbs / 2270 kg); Potassium hydroxide (1000 lbs / 454 kg); Benzole acid (5000 lbs / 2270 kg).

SECTION 7 - HANDLING AND STORAGE

- Safe Handling procedures** : This material is a harmful liquid. Wear suitable protective equipment during handling. Refer to Section 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION, for additional information on acceptable personal protective equipment. Use with adequate ventilation. Do not ingest. Avoid breathing vapour or mist. Avoid contact with eyes, skin and clothing. Wash with soap and water after handling. Keep away from extreme heat and flame. Keep away from acids and other incompatibles. Use caution when opening cap. Keep containers tightly closed when not in use. Empty containers retain residues (liquid and/or vapour) and can be dangerous. Keep out of the reach of children.
- Storage requirements** : Store in a cool, dry, well-ventilated area. Store away from areas of excessive heat, open flames, sparks, and other possible sources of ignition. Keep away from incompatibles. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks.
- Incompatible materials** : Strong oxidizing agents; Strong acids; Strong alkalis; Alkali metals; Reducing agents.
- Special packaging materials** : Always keep in containers made of the same materials as the supply container.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits

Ingredients	ACGIH TLV		OSHA PEL	
	TWA	STEL	PEL	STEL
Ethylene glycol	100 mg/m ³ (ceiling)	N/A	54 ppm (125 mg/m ³) (ceiling)	N/A
Benzole acid	N/A	N/A	N/A	N/A
potassium hydroxide	2 mg/m ³ (Ceiling)	N/A	2 mg/m ³ (Ceiling)	N/A

*Note: The OSHA PEL listed above for Ethylene glycol is a limit rule / vacated value.

Ventilation and engineering measures

- Use sufficient mechanical ventilation to maintain exposures below the TLV.
- Respiratory protection** : No special precautions required. Respiratory protection is required if the concentrations exceed the TLV. NIOSH-approved respirators are recommended. Seek advice from respiratory protection specialists. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134) or CSA Z91.4-02.
- Skin protection** : Gloves impervious to the material are recommended. Advice should be sought from glove suppliers.
- Eye / face protection** : Chemical splash goggles are recommended. A full face shield may also be necessary.
- Other protective equipment** : Emergency showers and eyewash facilities should be nearby. Wear a chemically resistant apron and long sleeves when dispensing, to prevent skin contact.
- General hygiene considerations**



Cummins Filtration
1200 Floeguard Road
Cockeville, Tennessee, U.S.A., 38508
Telephone: (931) 526-9551

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: Avoid breathing vapour or mist. Avoid contact with eyes, skin and clothing. When using do not eat or drink. When using do not smoke. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Remove soiled clothing and wash it thoroughly before reuse.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: Liquid.	Appearance	: Red liquid.
Odour	: Little or no odour.	Odour threshold	: N/Av
pH	: 8.2 - 9.0		
Boiling point	: N/Av	Specific gravity	: 1.069 - 1.099
Melting/freezing point	: -38.7 to -14.4°C (-34 to -18°F)	Coefficient of water/oil distribution	: N/Av
Vapour pressure (mmHg @ 20°C / 68°F)	: N/Av	Solubility in water	: Complete
Vapour density (Air = 1)	: N/Av	Evaporation rate (n-Butyl acetate = 1)	: N/Av
Volatile organic Compounds (VOC's)	: N/Av	Volatiles (% by weight)	: N/Av
Flash point	: N/Av		
Flash point Method	: COC	Auto-ignition temperature	: N/Av
Lower flammable limit (% by vol.)	: N/Av	Upper flammable limit (% by vol.)	: N/Av
Flame Projection Length	: N/Ap	Flashback observed	: N/Ap

Section 10: Stability And Reactivity

Stability and reactivity	: Stable under the recommended storage and handling conditions prescribed.
Hazardous polymerization	: Will not occur.
Conditions to avoid	: Avoid excessive heat, sparks and open flame. Do not use in areas without adequate ventilation.
Materials To Avoid And Incompatibility	: Incompatible materials (see Section 7)
Hazardous decomposition products	: None known, refer to hazardous combustion products in Section 6.

SECTION 11 - TOXICOLOGICAL INFORMATION

Target organs	: Eyes, skin, respiratory system, central nervous system, liver and kidneys
Routes of exposure	: Inhalation: YES Skin Absorption: YES Skin & Eyes: YES Ingestion: YES
Toxicological data	: There is no available data for the product itself, only for the ingredients. See below for individual ingredient acute toxicity data.

Ingredients	LC50 (4hr)		LD50
	Inh. rat	(9hr) rat	(Rabbit, dermal)
Ethylene glycol	2725 mg/m ³ (repeated)	4000 mg/m ³	9530 ul/kg
Benzoic acid	> 12,200 mg/m ³	2360 mg/kg	> 6000 mg/kg
potassium hydroxide	N/Av	205 mg/kg	> 1250 mg/kg

Carcinogenic status	: No components are listed as carcinogens by ACGII, IARC, OSHA or NTP.
Reproductive effects	: None known.
Teratogenicity	: Contains ethylene glycol, which may cause teratogenic effects at doses which are not maternally toxic, based on animal data.
Mutagenicity	: None known.
Epidemiology	: Not available
Sensitization to material	: Not expected to be a skin or respiratory sensitizer.
Synergistic materials	: Not available.



C Filtration

Cummins Filtration
1200 Fleetguard Road
Cookeville, Tennessee, U.S.A., 38506
Telephone: (931) 628-9551

ES COMPLEAT OAT 50/50 PREMIX

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- Irritancy : LIKJ
- Other important hazards : CNS depression may result from extreme exposures.
- Conditions aggravated by overexposure : Pre-existing skin or eye disorders, and impaired liver or kidney functions.

SECTION 12 - ECOLOGICAL INFORMATION

- Ecotoxicity : No data is available on the product itself. The ecological characteristics of this product have not been fully investigated. The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.
- Mobility : No information available.
- Persistence : No information available.
- Bioaccumulation potential : No information available.
- Other Adverse Environmental effects : No information available.

SECTION 13 - DISPOSAL CONSIDERATIONS

- Handling for Disposal : Handle waste according to recommendations in Section 7.
- Methods of Disposal : Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.
- RCRA : If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

SECTION 14: TRANSPORT INFORMATION

Regulatory Information	UN Number	Shipping Name	Class	Packing Group	Label
49CFR/HOT	None	Not regulated	Not regulated	None	
49CFR/HOT Additional Information	If the quantity of Ethylene glycol is greater than 5000 lbs (2270 kg) per package, and/or the quantity of Potassium hydroxide is greater than 1000 lbs (454 kg) per package, and/or the quantity of Benzoic acid is greater than 5000 lbs (2270 kg) per package, the following DOT shipping description applies: 100 Environmentally hazardous substances, liquid, n.o.s. (Content: Ethylene glycol; and/or Potassium hydroxide; and/or Benzoic acid), 8, UN3092, III				
TDG	None	Not regulated	Not regulated	None	
TDG Additional Information	None				
ICAO/IATA	None	Not regulated	Not regulated	None	
ICAO/IATA Additional Information	None				
IMDG	None	Not regulated	Not regulated	None	
IMDG Additional Information	None				



Cummins Filtration
1200 Fleetguard Road
Cookeville, Tennessee, U.S.A., 38503
Telephone: (615) 526-0551

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SECTION 15 - REGULATORY INFORMATION

US Federal Information:

TSCA: All listed ingredients appear on the Toxic Substances Control Act (TSCA) inventory

CECLA Reportable Quantity (RQ) (40 CFR 117.302): Ethylene glycol (5000 lbs / 2270 kg); Potassium hydroxide (1000 lbs / 454 kg); Benzoic acid (5000 lbs / 2270 kg).

SARA TITLE III: Sec. 302, Extremely Hazardous Substances, 40 CFR 355: No Extremely Hazardous Substances are present in this material.

SARA TITLE III: Sec. 311 and 312, MSDS Requirements, 40 CFR 370 Hazard Classes: Immediate (Acute) health hazard; Chronic health hazard. Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds for the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

SARA TITLE III: Sec. 313, Toxic Chemicals Notification, 40 CFR 372: This product may be subject to SARA notification requirements, since it contains Toxic Chemical constituents above their de minimus concentrations. This product contains: Ethylene glycol.

US State Right to Know Laws:

New Jersey Labeling Requirements: This product contains the following substances required to be disclosed on product labeling: Water (CAS # 7732-18-6); Ethylene glycol (CAS # 107-21-1); Potassium hydroxide (CAS # 1310-58-3); Benzoic acid (CAS # 65-05-0); Sulfonic acid (CAS # 111-20-6); Sodium tolyltriazole (CAS # 84665-57-2); Sodium nitrate (CAS # 7031-09-4); Sodium molybdate (CAS # 7031-5-0). Ethylene glycol is considered a hazardous substance in the State of New Jersey.

California Proposition 65: To the best of our knowledge, this product does not contain any chemicals known to the State of California to cause cancer or reproductive harm.

International Information:

WHMIS Information: This product is a WHMIS Controlled Product. It meets one or more of the criteria for a controlled product provided in Part IV of the Canadian Controlled Products Regulations (CPR). Refer to Section 2 for a WHMIS Classification for this product.

Canadian Environmental Protection Act (CEPA) Information: All ingredients listed appear on the Domestic Substances List (DSL).

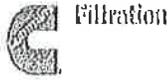
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and this MSDS contains all the information required by the CPR.

SECTION 16 - OTHER INFORMATION

HMS Rating : * - Chronic hazard 0 - Minimal 1 - Slight 2 - Moderate 3 - Serious 4 - Severe
Health: *2 Flammability: 1 Reactivity: 0

- Legend :
- ACGIH: American Conference of Governmental Industrial Hygienists
 - CAS: Chemical Abstract Services
 - CECLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
 - CFR: Code of Federal Regulations
 - CNS: Central Nervous System
 - COC: Cleveland Open Cup
 - CSA: Canadian Standards Association
 - DOT: Department of Transportation
 - EPA: Environmental Protection Agency
 - HMS: Hazardous Materials Identification System
 - HSDB: Hazardous Substances Data Bank
 - IARC: International Agency for Research on Cancer
 - IATA: International Air Transport Association
 - ICAO: International Civil Aviation Organization
 - IMDG: International Maritime Dangerous Goods
 - Inh: Inhalation

3(b). SAFETY DATA SHEETS



Cummins Filtration
1200 Floodguard Road
Cookeville, Tennessee, U.S.A., 38508
Telephone: (931) 528-9551

FS COMPLETE OAT 50/50 PREMIX

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LC: Lethal Concentration
LD: Lethal Dose
NA: Not Applicable
N/A: Not Available
NFPA: National Fire Protection Association
NIOSH: National Institute of Occupational Safety and Health
NTP: National Toxicology Program
OSHA: Occupational Safety and Health Administration
PEL: Permissible exposure limit
RCRA: Resource Conservation and Recovery Act
RTECS: Registry of Toxic Effects of Chemical Substances
SARA: Significant Amendments and Reauthorization Act
STEL: Short Term Exposure Limit
TLV: Threshold Limit Values
TWA: Time Weighted Average
WHMIS: Workplace Hazardous Materials Identification System

References

1. ACGIH, Threshold Limit Values and Biological Exposure Indices for 2009.
2. International Agency for Research in Cancer Monographs, searched 2009.
3. Canadian Centre for Occupational Health and Safety, CCHOWeb databases, 2009 (Chemical and RTECS)
4. Material Safety Data Sheet from manufacturer.
5. US EPA Title III List of Lists - October 2008 version.
6. California Proposition 65 List - September 11, 2009 version.

<p>Prepared for: Cummins Filtration Cookeville, Tennessee, U.S.A., 38508 Telephone: (931) 528-9551 http://www.cumminsfiltration.com/html/inv/index.html Please direct all enquiries to Cummins Filtration.</p>	
<p>Prepared by: ICC The Compliance Center Inc. http://www.thecompliancecenter.com</p>	

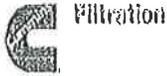
DISCLAIMER OF LIABILITY

The information in this MSDS was obtained from sources, which we believe are reliable. However, since the conditions of handling and use are beyond our control, we assume no liability for damages incurred by use of this material. This MSDS was prepared, and is to be used, for this product only. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that may exist. If the product is used as a component in another product, this information may not be applicable. Users of this product should satisfy themselves that the conditions and methods of use assure the product is used safely. No representations or warranties, either expressed or implied, of any nature are made hereunder with respect to the information contained herein. It is the responsibility of the user to comply with any and all federal, state, or local laws and regulations that may exist. Nothing contained herein is to be construed as a recommendation for use in violation of any applicable laws or regulations.

MSDS Preparation Date (dd/mm/yyyy)

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END OF DOCUMENT



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SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS #	Wt. %
Ethylene glycol	107-21-1	30.00 - 60.00
Benzole acid	65 85 0	1.00 - 5.00
potassium hydroxide	1310-58-3	1.00 - 5.00

SECTION 4 - FIRST AID MEASURES

Inhalation	: Immediately remove person to fresh air. If breathing has stopped, give artificial respiration. Obtain medical attention if symptoms develop and persist.
Skin contact	: Immediately flush with plenty of water, while removing contaminated clothing. If irritation persists, seek prompt medical attention. Launder clothing before reuse.
Eye contact	: Immediately flush eye(s) with plenty of water. After initial flushing, remove any contact lenses if worn, and continue flushing for at least 5 to 10 minutes. If irritation persists, seek prompt medical attention.
Ingestion	: Toxic if swallowed. Call a physician or Poison Control Centre immediately. Induce vomiting ONLY under the direct supervision of qualified medical personnel or a poison control centre. Never give anything by mouth to an unconscious person.
Notes For Physician	: Prompt medical attention is important. Delayed treatment may result in fatality. This product is a CNS depressant. Use of ethanol may be helpful to counter the toxic effects of ethylene glycol by interfering with the absorption rate in the stomach and intestine.

SECTION 5 - FIRE FIGHTING MEASURES

Fire hazards/conditions of flammability	: Not flammable under normal conditions of handling. However, may ignite if exposed to extreme heat and flame. Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure.
Flammability classification (OSHA 29 CFR 1910.1200)	: Combustible Liquid Class III B.
Oxidizing properties	: None known.
Explosion data: Sensitivity to mechanical impact / static discharge	: Not expected to be sensitive to mechanical impact or static discharge.
Suitable extinguishing media	: Use media suitable to the surrounding fire such as water fog or fine spray, alcohol foams, carbon dioxide and dry chemical.
Special fire-fighting procedures/equipment	: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. Move containers from fire area if safe to do so. Water spray may be useful in cooling equipment exposed to heat and flame.
Hazardous combustion products	: Carbon oxides; formaldehyde
NFPA Rating	0 - Minimal 1 - Slight 2 - Moderate 3 - Serious 4 - Severe : Health: 2 Flammability: 1 Instability: 0 Special Hazards: None

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions	: Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. All persons dealing with clean-up should wear the appropriate protective equipment including self-contained breathing apparatus. Refer to Section 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION, for additional information on acceptable personal protective equipment.
Environmental precautions	: Ensure spilled product does not enter drains, sewers, waterways, or confined spaces. If necessary, dig well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply.



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- Spill response/cleanup** : Remove all sources of ignition. Ventilate area of release. Stop spill or leak at source if safely possible. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal (see Section 13). Contaminated absorbent material may pose the same hazards as the spilled product. Notify the appropriate authorities as required.
- Prohibited materials** : Use non-flammable absorbent only.
- Special spill response procedures** : In case of a transportation accident, contact CHEMTREC at 1-800-424-9300 or International at 1-703-527-3887. If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8002).
US CERCLA Reportable quantity (RQ): Ethylene glycol (5000 lbs / 2270 kg); Potassium hydroxide (1000 lbs / 454 kg), Benzoic acid (5000 lbs / 2270 kg).

SECTION 7 - HANDLING AND STORAGE

- Safe handling procedures** : This material is a harmful liquid. Wear suitable protective equipment during handling. Refer to Section 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION, for additional information on acceptable personal protective equipment. Use with adequate ventilation. Do not ingest. Avoid breathing vapour or mist. Avoid contact with eyes, skin and clothing. Wash with soap and water after handling. Keep away from extreme heat and flame. Keep away from acids and other incompatibles. Use caution when opening cap. Keep containers tightly closed when not in use. Empty containers retain residue (liquid and/or vapour) and can be dangerous. Keep out of the reach of children.
- Storage requirements** : Store in a cool, dry, well-ventilated area. Store away from areas of excessive heat, open flames, sparks, and other possible sources of ignition. Keep away from incompatibles. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks.
- Incompatible materials** : Strong oxidizing agents; Strong acids; Strong alkalis; Alkali metals; Reducing agents.
- Special packaging materials** : Always keep in containers made of the same materials as the supply container.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure limits

Ingredients	ACGIH TLV		OSHA PEL	
	TWA	STEL	PEL	STEL
Ethylene glycol	100 mg/m ³ (ceiling)	N/A	*50 ppm (125 mg/m ³) (ceiling)	N/A
Benzoic acid	N/A	N/A	N/A	N/A
Potassium hydroxide	2 mg/m ³ (Ceiling)	N/A	2 mg/m ³ (Ceiling)	N/A

*Note: The OSHA PEL listed above for Ethylene glycol is a final nilo / vacated value.

- Ventilation and engineering measures** : Use sufficient mechanical ventilation to maintain exposures below the TLV.
- Respiratory protection** : No special precautions required. Respiratory protection is required if the concentrations exceed the TLV. NIOSH-approved respirators are recommended. Seek advice from respiratory protection specialists. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134) or CSA Z94.4-02.
- Skin protection** : Gloves impervious to the material are recommended. Advice should be sought from glove suppliers.
- Eye / face protection** : Chemical splash goggles are recommended. A full face shield may also be necessary.
- Other protective equipment** : Emergency showers and eyewash facilities should be nearby. Wear a chemically resistant apron and long sleeves when dispensing to prevent skin contact.
- General hygiene considerations**



Cummins Filtration
1200 Fleetguard Road
Cookeville, Tennessee, U.S.A., 38506
Telephone: (931) 526-8551

ES COMPLETE OAT 50/50 PREMIX

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Avoid breathing vapour or mist. Avoid contact with eyes, skin and clothing. When using do not eat or drink. When using do not smoke. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Remove soiled clothing and wash it thoroughly before reuse.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: Liquid	Appearance	: Red liquid.
Odour	: Little or no odour	Odour threshold	: N/Av
pH	: 8.2 - 9.0		
Boiling point	: N/Av	Specific gravity	: 1.009 - 1.099
Melting/Freezing point	: -36.7 to -44.4°C (-34 to -48°F)	Coefficient of water/oil distribution	: N/Av
Vapour pressure (mmHg @ 20°C / 68°F)	: N/Av	Solubility in water	: Complete
Vapour density (Air = 1)	: N/Av	Evaporation rate (n-Butyl acetate = 1)	: N/Av
Volatile organic Compounds (VOC's)	: N/Av	Volatiles (% by weight)	: N/Av
Flash point	: N/Av		
Flash point Method	: COC	Auto-ignition temperature	: N/Av
Lower flammable limit (% by vol.)	: N/Av	Upper flammable limit (% by vol.)	: N/Av
Flame Projection Length	: N/Av	Flashback observed	: N/Av

Section 10: Stability And Reactivity

Stability and reactivity : Stable under the recommended storage and handling conditions prescribed.
 Hazardous polymerization : Will not occur.
 Conditions to avoid : Avoid excessive heat, sparks and open flames. Do not use in areas without adequate ventilation.
 Materials To Avoid And Incompatibility : Incompatible materials (see Section 7).
 Hazardous decomposition products : None known, refer to hazardous combustion products in Section 6.

SECTION 11 - TOXICOLOGICAL INFORMATION

Target organs : Eyes, skin, respiratory system, central nervous system, liver and kidneys
 Routes of exposure : Inhalation: YES Skin Absorption: YES Skin & Eyes: YES Ingestion: YES
 Toxicological data : There is no available data for the product itself, only for the ingredients. See below for individual ingredient acute toxicity data.

Ingredients	LC50(4hr)	LD50	
	Inh, rat	(Oral, rat)	(Intraperitoneal)
Ethylene glycol	2726 mg/m ³ (aerosol)	4000 mg/kg	0530 uL/kg
Benzic acid	> 12,200 mg/m ³	2360 mg/kg	> 6000 mg/kg
potassium hydroxide	N/Av	205 mg/kg	> 1260 mg/kg

Carcinogenic status : No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.
 Reproductive effects : None known.
 Teratogenicity : Contains ethylene glycol, which may cause teratogenic effects at doses which are not maternally toxic, based on animal data.
 Mutagenicity : None known.
 Epidemiology : Not available.
 Sensitization to material : Not expected to be a skin or respiratory sensitizer.
 Synergistic materials : Not available.



ES COMPLETE OAT 50/50 PREMIX

MSDS No.: LT3613-00

MSDS Preparation Date (d/m/yyyy): 07/12/2009

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Irritancy : Mild.
 other Important hazards : CNS depression may result from extreme exposures.
 Conditions aggravated by overexposure : Pre-existing skin or eye disorders, and impaired liver or kidney functions.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity : No data is available on the product itself. The ecological characteristics of this product have not been fully investigated. The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.
 Mobility : No information available.
 Persistence : No information available.
 Bioaccumulation potential : No information available.
 Other Adverse Environmental effects : No information available.

SECTION 13 - DISPOSAL CONSIDERATIONS

Handling for Disposal : Handle waste according to recommendations in Section 7.
 Methods of Disposal : Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.
 RCRA : If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

SECTION 14: TRANSPORT INFORMATION

Regulatory Information	UN Number	Shipping Name	Class	Packing Group	Label
49CFR/DOT	None	Not regulated.	Not regulated	None	
49CFR/DOT Additional Information	If the quantity of Ethylene glycol is greater than 6000 lbs (2270 kg) per package, and/or the quantity of Potassium hydroxide is greater than 1000 lbs. (454 kg) per package, and/or the quantity of Denzole acid is greater than 6000 lbs (2270 kg) per package, the following DOT shipping description applies: RG Environmentally hazardous substances, liquid, n.o.s. (Contents: Ethylene glycol, and/or Potassium hydroxide, and/or Denzole acid), U, UN3082, III.				
TDG	None	Not regulated.	Not regulated	None	
TDG Additional Information	None				
ICAO/IATA	None	Not regulated.	Not regulated	None	
ICAO/IATA Additional Information	None				
IICG	None	Not regulated.	Not regulated	None	
IIDG Additional Information	None				



Cummins Filtration
1200 Fleetguard Road
Cookeville, Tennessee, U.S.A., 38506
Telephone: (931) 526-9551

ES COMPLEAT OAT 50/50 PREMIX

MSDS No. L13613500

MSDS Preparation Date (dd/mm/yyyy): 07/12/2009

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SECTION 15 - REGULATORY INFORMATION

US Federal Information:

TSCA: All listed ingredients appear on the Toxic Substances Control Act (TSCA) Inventory.

CERCLA Reportable Quantity (RQ) (40 CFR 117.302): Ethylene glycol (5000 lbs / 2270 kg); Potassium hydroxide (1000 lbs / 454 kg); Benzoic acid (5000 lbs / 2270 kg)

SARA TITLE III: Sec. 302, Extremely Hazardous Substances, 40 CFR 355: No Extremely Hazardous Substances are present in this material.

SARA TITLE III: Sec. 311 and 312, MSDS Requirements, 40 CFR 370 Hazard Classes: Immediate (Acute) health hazard; Chronic health hazard. Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds for the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

SARA TITLE III: Sec. 313, Toxic Chemicals Notification, 40 CFR 372: This product may be subject to SARA notification requirements, since it contains Toxic Chemical constituents above their de minimus concentrations. This product contains: Ethylene glycol.

US State Right to Know Laws:

New Jersey Labeling Requirements: This product contains the following substances required to be disclosed on product labeling: Water (CAS # 7732-18-5); Ethylene glycol (CAS # 107-21-1); Potassium hydroxide (CAS # 1310-58-3); Benzoic acid (CAS # 65-85-0); Sebacic acid (CAS # 111-20-6); Sodium polythiazole (CAS # 84865-67-2); Sodium nitrate (CAS # 7631-89-4); Sodium molybdate (CAS # 7631-6-0). Ethylene glycol is considered a hazardous substance in the State of New Jersey.

California Proposition 65: To the best of our knowledge, this product does not contain any chemicals known to the State of California to cause cancer or reproductive harm.

International Information:

WHMIS Information: This product is a WHMIS Controlled Product. It meets one or more of the criteria for a controlled product provided in Part IV of the Canadian Controlled Products Regulations (CPR). Refer to Section 2 for a WHMIS Classification for this product.

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and this MSDS contains all the information required by the CPR.

SECTION 16 - OTHER INFORMATION

HMIS Rating	* - Chronic hazard	0 - Minimal	1 - Slight	2 - Moderate	3 - Serious	4 - Severe
Health:	*2					
			Flammability:	1		
					Reactivity:	0

Legend :

- ACGIH: American Conference of Governmental Industrial Hygienists
- CAS: Chemical Abstract Services
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
- CFR: Code of Federal Regulations
- CNS: Central Nervous System
- COC: Cleveland Open Cup
- CSA: Canadian Standards Association
- DOT: Department of Transportation
- EPA: Environmental Protection Agency
- HMIS: Hazardous Materials Identification System
- HSDB: Hazardous Substances Data Bank
- IARC: International Agency for Research on Cancer
- IATA: International Air Transport Association
- ICAO: International Civil Aviation Organisation
- IMDG: International Maritime Dangerous Goods
- Int: Inhalation



Cummins Filtration
 1200 Fleetguard Road
 Cookeville, Tennessee, U.S.A., 38506
 Telephone: (931) 626-9551

ES COMPLETE OAT 50/50 PREMIX

MSDS No.: LT-3611600

MSDS Preparation Date (dd/mm/yyyy): 07/12/2009

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- LC: Lethal Concentration
 - LD: Lethal Dose
 - N/Ap: Not Applicable
 - N/Av: Not Available
 - NFPA: National Fire Protection Association
 - NIOSH: National Institute of Occupational Safety and Health
 - NTP: National Toxicology Program
 - OSHA: Occupational Safety and Health Administration
 - PEL: Permissible exposure limit
 - RCRA: Resource Conservation and Recovery Act
 - RTECS: Registry of Toxic Effects of Chemical Substances
 - SARA: Superfund Amendments and Reauthorization Act
 - STEL: Short Term Exposure Limit
 - TLV: Threshold Limit Values
 - TWA: Time Weighted Average
 - WHMIS: Workplace Hazardous Materials Identification System
- References
1. ACGIH, Threshold Limit Values and Biological Exposure Indices for 2009.
 2. International Agency for Research on Cancer Monographs, searched 2009.
 3. Canadian Centre for Occupational Health and Safety, CCHInfoWeb databases, 2009 (Chempendium and RTECS)
 4. Material Safety Data Sheet from manufacturer.
 5. US EPA Title III List of Lists - October 2006 version.
 6. California Proposition 65 List - September 11, 2009 version.

<p><u>Prepared for:</u> Cummins Filtration Cookeville, Tennessee, U.S.A., 38506 Telephone: (931) 626-9551 http://www.cumminsfiltration.com/vh/index/arkfox.html Please direct all enquiries to Cummins Filtration.</p>	
<p><u>Prepared by:</u> KCC The Compliance Center Inc. http://www.thecompliancecenter.com</p>	

DISCLAIMER OF LIABILITY

The information in this MSDS was obtained from sources, which we believe are reliable. However, since the conditions of handling and use are beyond our control, we assume no liability for damages incurred by use of this material. This MSDS was prepared, and is to be used, for this product only. Although certain hazards are described herein, we cannot guarantee that those are the only hazards that may exist. If the product is used as a component in another product, this information may not be applicable. Users of this product should satisfy themselves that the conditions and methods of use assure the product is used safely. No representations or warranties, either expressed or implied, of any nature are made hereunder with respect to the information contained herein. It is the responsibility of the user to comply with any and all federal, state, or local laws and regulations that may exist. Nothing contained herein is to be construed as a recommendation for use in violation of any applicable laws or regulations.

MSDS Preparation Date (dd/mm/yyyy)

: 07/12/2009

END OF DOCUMENT

Monday, April 26, 2010 4:58 PM

FW: ES Compleat OAT MSDS
ES Compleat OAT 50-50 EG.pdf

We have added the following part numbers (New p/n) to the Fleetguard direct ship program. Please add these MSDS sheets to our MSDS file. Thanks.

Old p/n	New p/n	Description	Pkg
CC2770	CC36078	ES COMPLEAT EG OAT Pre 60/40 55 GAL	DRUM
CC2777	No change	ES COMPLEAT OAT EXTENDER PINT	PINT
CC2779	No change	ES COMPLEAT OAT EXTENDER 1 QT	QUART
CC2780	CC36079	ES COMPLEAT EG OAT CONC 1 GAL	GAL
	CC36073X	ES COMPLEAT EG OAT CONC 1 GAL	GAL
CC2782	CC36072	ES COMPLEAT EG OAT CONC 55 GAL	DRUM
CC2783	CC36071	ES COMPLEAT EG OAT CONC 275 GAL	TOTE
CC2784	CC36070	ES COMPLEAT EG OAT CONC BULK	BULK
CC2785	CC36077	ES COMPLEAT EG OAT PREMIX 1 GAL	GAL
CC2785X	CC36077X	ES COMPLEAT EG OAT PREMIX 1 GAL	GAL
CC2787	CC36076	ES COMPLEAT EG OAT PREMIX 55 GAL	DRUM
CC2788	CC36075	ES COMPLEAT EG OAT PREMIX 275 GAL	TOTE
CC2789	CC36074	ES COMPLEAT EG OAT PREMIX BULK	BULK
CC2790	CC36079	ES COMPLEAT EG OAT Pre 60/40 275 GAL	TOTE
	CC2908	ES COMPLEAT EG OAT Pre 60/40 BULK	BULK

From: Jeffery.d.whlteaker@cummins.com [mailto:jeffery.d.whlteaker@cummins.com]
Sent: Monday, April 26, 2010 4:49 PM

Subject: Fw: ES Compleat OAT MSDS



Material Safety Data Sheet

International Truck and Engine Corporation
4201 Winfield Road
Warrenville, IL 60555 USA

Part No. LP10005 LP100530 LP100560 LP10027 LP10028 LP10029

The MSDS was received from Lucas Oil as current on April 10, 2007.
The MSDS was not available in French or Spanish on April 10, 2007.

Lucas Red "N" Tacky #2

Product Code: 10005, 10027, 10028, 10029

DIVISION AND LOCATION --- SECTION I

Division: Lucas Oil Products, Inc. • 302 North Sheridan Street • Corona, CA 92880-2067

Emergency Telephone Number: (800) 342-2512

CHEMICAL AND PHYSICAL PROPERTIES --- SECTION II

Chemical Name: Petroleum hydrocarbon plus additives.

Formula: N/A

Hazardous Decomposition Products: Carbon monoxide and carbon dioxide from burning, oxides of phosphorous from burning, oxides of sulphur, hydrochloric acid on burning or decomposition, sulphur dioxides or hydrogen sulfide, depending upon decomposition conditions, zinc oxide, chlorocarbon.

Incompatibility (keep away from): Strong oxidizers such as hydrogen peroxide, bromine, and chromic acid.

Toxic and Hazardous Ingredients: None

Form: Semi-solid Odor: Mineral oil Appearance: Grease

Color: Red

Specific Gravity (water = 1): @ room temperature .945

Boiling Point: Not applicable

Melting Point: Not applicable

Solubility in Water (by weight %): Negligible at 25°C.

Volatile (by weight %): Not applicable

Evaporation Rate: Not applicable

Vapor Pressure (mm Hg at 20°C): Not applicable

Vapor Density (air=1): Not applicable

pH (as is): Not applicable

Stability: Product is stable under normal conditions

Viscosity SUS at 100°F: Greater than or = to 100

FIRE AND EXPLOSION DATA --- SECTION III

Special Fire Fighting Procedures: Dense smoke. Fire fighters should wear an approved self-contained breathing apparatus. Do not use water except as fog.

Unusual Fire and Explosion Hazards: Dense smoke.

Flashpoint: (Method used) Cleveland open cup - greater than 160°C (320°F).

Extinguishing agent: Dry chemical or Waterfog or CO₂ or Foam or Sand/Earth. Water may cause frothing. Closed containers exposed to fire may be cooled with water.

HEALTH HAZARD DATA --- SECTION IV

Chronic Effects of Over-Exposure: None when used with good personal hygiene practices. May otherwise cause skin and eye irritation upon prolonged or repeated contact.

Acute Toxicological Properties: No data available

Emergency First Aid Procedures:

Eyes: Flush with large amounts of water for at least 15 minutes and call a physician.

Skin: Remove excess with cloth or paper. Wash thoroughly with soap and water.

Inhalation: Remove exposed person to fresh air, if discomfort is experienced while handling hot product.

If Swallowed: Contact a physician immediately.

SPECIAL PROTECTION INFORMATION --- SECTION V

Ventilation type required (local, mechanical, special): NONE

Respiratory protection (specify type): NONE

Protective gloves: None

Eye protection: Chemical safety goggles and, if handled hot, full face shield.

Other protective equipment: None

HANDLING OF SPILLS OF LEAKS --- SECTION VI

Procedures for Clean-Up: Transfer bulk of mixture into another container. Absorb residue with an inert material such as earth, sand, or vermiculite. Sweep up and dispose as solid waste in accordance with local, state, and federal regulations.

Waste Disposal: Dispose of in accordance with all applicable federal, state, and local regulations.

SPECIAL PRECAUTIONS --- SECTION VII

Precautions to be taken in handling and storage: Keep container closed until ready for use.

TRANSPORTATION DATA --- SECTION VIII

D.O.T.: Not regulated

Reportable Quantity: Not applicable

Freight Classification: Petroleum Lubricating Grease

Special Transportation Notes: None

ENVIRONMENTAL/SAFETY REGULATIONS --- SECTION IX

Section 313 (Title III Superfund Amendment and Reauthorization Act):

This product does not contain any chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

Prepared By: Dell Findley Title: Lab Technician Original Date: 7/11/86 Updated: 01-01-04

We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use.

LUCAS MATERIAL SAFETY DATA SHEET

Lucas Upper Cylinder Lubricant

Product Code: 10003, 10013, 10020, 10080, 10086, 10090

DIVISION AND LOCATION --- SECTION I

Division: Lucas Oil Products, Inc. • 302 North Sheridan Street • Corona, CA 92880-2067

Emergency Telephone Number: (800) 342-2512

CHEMICAL AND PHYSICAL PROPERTIES --- SECTION II

Chemical Name: Petroleum hydrocarbon plus additives.

Formula: N/A

Hazardous Decomposition Products: Carbon monoxide and carbon dioxide from burning. Oxides from burning. Oxides of phosphorous from burning. Oxides of sulphur.

Incompatibility (keep away from): Strong oxidizers such as hydrogen peroxide, bromine, and chromic acid.

Toxic and Hazardous Ingredients: None

Form: Liquid Odor: Petroleum Appearance: Liquid Color: Light amber

Specific Gravity (water = 1): .89

Boiling Point: Greater than 371° C (700° F)

Melting Point: -18° C (0° F)

Solubility in Water (by weight %): -0- (@ 20° C).

Volatile (by weight %): -0-

Evaporation Rate: -0-

Vapor Pressure (mm Hg @ 20° C): -0-

Vapor Density (air = 1): N/A

pH (as is): N/A

Stability: Product is stable under normal conditions

Viscosity cSt @ 100 degrees C: Greater than or = to 10



Material Safety Data Sheet International Truck and Engine Corporation 4201 Wabash Road Warren, Pa. 16055 USA Part No. LP10003 LP10013 LP10020 LP10023 LP10080 LP10086



Material Safety Data Sheet International Truck and Engine Corporation 4201 Wabash Road Warren, Pa. 16055 USA Part No. LP10090 LP10004 MSDS NOT AVAILABLE IN FRENCH OR SPANISH. JULY 2005.*

FIRE AND EXPLOSION DATA --- SECTION III

Special Fire Fighting Procedures (air): Do not use water except as fog

Unusual Fire and Explosion Hazards: None

Flashpoint: (Method Used) Cleveland open cup - greater than 204° C (399° F)

Flammable Limits%: N/A

Extinguishing Agent: Dry chemical, Waterfog, CO 2 or Foam. Closed containers exposed to fire may be cooled with water.

HEALTH HAZARD DATA --- SECTION IV

Permissible Concentrations (air): If used in applications where a mist may be generated, observe a TWA/PEL of 5 mg/m3 for mineral oil mist (OSHA and ACGIH).

Chronic Effects of Over-Exposure: Prolonged or repeated skin contact may cause dermatitis (skin irritation).

Acute Toxicological Properties: No data available.

* MSDS CURRENT WITH SUPPLIER. JULY 2005.

Emergency First Aid Procedures:

Eyes: Flush with large amounts of water for a least 15 minutes. If irritation persists, call a physician.

Skin: Remove excess with cloth or paper. Wash thoroughly with soap and water.

Inhalation: Remove victim to fresh air. Call a physician.

Ingestion: Contact a physician immediately.

=====

SPECIAL PROTECTION INFORMATION --- SECTION V

=====

Ventilation type required (local, mechanical, special): None

Respiratory protection (specify type): None

Protective gloves: Neoprene type.

Eye protection: Chemical safety goggles.

Other protective equipment: None

=====

HANDLING OF SPILLS OF LEAKS --- SECTION VI

=====

Procedures for Clean-Up: Transfer bulk of mixture into another container. Absorb residue with an inert material such as earth, sand, or vermiculite. Sweep up and dispose as solid waste in accordance with local, state, and federal regulations.

Waste Disposal: Dispose of in accordance with all applicable federal, state and local regulations.

=====

SPECIAL PRECAUTIONS --- SECTION VII

=====

Precautions to be taken in handling and storage: Do not handle or store at temperatures over.....

Maximum Storage Temperature: 100° C (212° F).

=====

TRANSPORTATION DATA --- SECTION VIII

=====

D.O.T: Not regulated

Reportable Quantity: N/A

Freight Classification: Petroleum lubricating oil.

Special Transportation Notes: None

=====

Prepared By: Dell Findley Title: Lab Technician Original Date: 07-01-94 Updated: 01-01-04

=====

We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use.

=====

This product is available in 12x1 cases of quart bottles, 4x1 cases of gallon bottles, five gallon pails and 55 gallon drums.

LUCAS MATERIAL SAFETY DATA SHEET

Lucas Upper Cylinder Lubricant

Product Code: 10003, 10013, 10020, 10023, 10080, 10090

DIVISION AND LOCATION --- SECTION I

Division: Lucas Oil Products, Inc. • 302 North Sheridan Street • Corona, CA 92880-2067

Emergency Telephone Number: (800) 342-2512

CHEMICAL AND PHYSICAL PROPERTIES --- SECTION II

Chemical Name: Petroleum hydrocarbon plus additives.

Formula: N/A

Hazardous Decomposition Products: Carbon monoxide and carbon dioxide from burning. Oxides from burning. Oxides of phosphorous from burning. Oxides of sulphur.

Incompatibility (keep away from): Strong oxidizers such as hydrogen peroxide, bromine, and chromic acid.

Toxic and Hazardous Ingredients: None

Form: Liquid Odor: Petroleum Appearance: Liquid Color: Light amber

Specific Gravity (water = 1): .89

Boiling Point: Greater than 371° C (700° F)

Melting Point: -18° C (0° F)

Solubility in Water (by weight %): -0- @ 20° C.

Volatile (by weight %): -0-

Evaporation Rate: -0-

Vapor Pressure (mm Hg @ 20° C): -0-

Vapor Density (air = 1): N/A

pH (as is): N/A

Stability: Product is stable under normal conditions

Viscosity cSt @ 100 degrees C: Greater than or = to 10

FIRE AND EXPLOSION DATA --- SECTION III

Special Fire Fighting Procedures (air): Do not use water except as fog

Unusual Fire and Explosion Hazards: None

Flashpoint: (Method Used) Cleveland open cup - greater than 204° C (399° F)

Flammable Limits%: N/A

Extinguishing Agent: Dry chemical, Waterfog, CO 2 or Foam. Closed containers exposed to fire may be cooled with water.

HEALTH HAZARD DATA --- SECTION IV

Permissible Concentrations (air): If used in applications where a mist may be generated, observe a TWA/PEL of 5 mg/m3 for mineral oil mist (OSHA and ACGIH).

Chronic Effects of Over-Exposure: Prolonged or repeated skin contact may cause dermatitis (skin irritation).

Acute Toxicological Properties: No data available.

Lucas Upper Cylinder Lubricant

Emergency First Aid Procedures:

Eyes: Flush with large amounts of water for a least 15 minutes. If irritation persists, call a physician.

Skin: Remove excess with cloth or paper. Wash thoroughly with soap and water.

Inhalation: Remove victim to fresh air. Call a physician.

Ingestion: Contact a physician immediately.

SPECIAL PROTECTION INFORMATION --- SECTION V

Ventilation type required (local, mechanical, special): None

Respiratory protection (specify type): None

Protective gloves: Neoprene type.

Eye protection: Chemical safety goggles.

Other protective equipment: None

HANDLING OF SPILLS OF LEAKS --- SECTION VI

Procedures for Clean-Up: Transfer bulk of mixture into another container. Absorb residue with an inert material such as earth, sand, or vermiculite. Sweep up and dispose as solid waste in accordance with local, state, and federal regulations.

Waste Disposal: Dispose of in accordance with all applicable federal, state and local regulations.

SPECIAL PRECAUTIONS --- SECTION VII

Precautions to be taken in handling and storage: Do not handle or store at temperatures over.....

Maximum Storage Temperature: 100° C (212° F).

TRANSPORTATION DATA --- SECTION VIII

D.O.T: Not regulated

Reportable Quantity: N/A

Freight Classification: Petroleum lubricating oil.

Special Transportation Notes: None

Prepared By: Dell Findley Title: Lab Technician Original Date: 07-01-94 Updated: 01-01-04

We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use.

This product is available in 12x1 cases of quart bottles, 4x1 cases of gallon bottles, five gallon pails and 55 gallon drums.



Material Safety Data Sheet

International Truck and Engine Corporation
4201 Winfield Road
Warrenville IL, 60555 USA

Part No. LP10003

The MSDS was received from Luens Oil as current on February 6, 2007.
The MSDS was not available in French or Spanish on February 6, 2007.

Lucas Upper Cylinder Lubricant

Product Code: 10003, 10013, 10020, 10023, 10080, 10090

DIVISION AND LOCATION --- SECTION I

Division: Lucas Oil Products, Inc. • 302 North Sheridan Street • Corona, CA 92880-2067

Emergency Telephone Number: (800) 342-2512

CHEMICAL AND PHYSICAL PROPERTIES --- SECTION II

Chemical Name: Petroleum hydrocarbon plus additives.

Formula: N/A

Hazardous Decomposition Products: Carbon monoxide and carbon dioxide from burning. Oxides from burning. Oxides of phosphorous from burning. Oxides of sulphur.

Incompatibility (keep away from): Strong oxidizers such as hydrogen peroxide, bromine, and chromic acid.

Toxic and Hazardous Ingredients: None

Form: Liquid Odor: Petroleum Appearance: Liquid Color: Light amber

Specific Gravity (water = 1): .89

Boiling Point: Greater than 371° C (700° F)

Melting Point: -18° C (0° F)

Solubility in Water (by weight %): -0- @ 20° C.

Volatile (by weight %): -0-

Evaporation Rate: -0-

Vapor Pressure (mm Hg @ 20° C): -0-

Vapor Density (air = 1): N/A

pH (as is): N/A

Stability: Product is stable under normal conditions

Viscosity cSt @ 100 degrees C: Greater than or = to 10

FIRE AND EXPLOSION DATA --- SECTION III

Special Fire Fighting Procedures (air): Do not use water except as fog

Unusual Fire and Explosion Hazards: None

Flashpoint: (Method Used) Cleveland open cup - greater than 204° C (399° F)

Flammable Limits%: N/A

Extinguishing Agent: Dry chemical, Waterfog, CO 2 or Foam. Closed containers exposed to fire may be cooled with water.

HEALTH HAZARD DATA --- SECTION IV

Permissible Concentrations (air): If used in applications where a mist may be generated, observe a TWA/PEL of 5 mg/m³ for mineral oil mist (OSHA and ACGIH).

Chronic Effects of Over-Exposure: Prolonged or repeated skin contact may cause dermatitis (skin irritation).

Acute Toxicological Properties: No data available.

Lucas Upper Cylinder Lubricant

Emergency First Aid Procedures:

Eyes: Flush with large amounts of water for a least 15 minutes. If irritation persists, call a physician.

Skin: Remove excess with cloth or paper. Wash thoroughly with soap and water.

Inhalation: Remove victim to fresh air. Call a physician.

Ingestion: Contact a physician immediately.

SPECIAL PROTECTION INFORMATION --- SECTION V

Ventilation type required (local, mechanical, special): None

Respiratory protection (specify type): None

Protective gloves: Neoprene type.

Eye protection: Chemical safety goggles.

Other protective equipment: None

HANDLING OF SPILLS OF LEAKS --- SECTION VI

Procedures for Clean-Up: Transfer bulk of mixture into another container. Absorb residue with an inert material such as earth, sand, or vermiculite. Sweep up and dispose as solid waste in accordance with local, state, and federal regulations.

Waste Disposal: Dispose of in accordance with all applicable federal, state and local regulations.

SPECIAL PRECAUTIONS --- SECTION VII

Precautions to be taken in handling and storage: Do not handle or store at temperatures over.....

Maximum Storage Temperature: 100° C (212° F).

TRANSPORTATION DATA --- SECTION VIII

D.O.T: Not regulated

Reportable Quantity: N/A

Freight Classification: Petroleum lubricating oil.

Special Transportation Notes: None

Prepared By: Dell Findley **Title:** Lab Technician **Original Date:** 07-01-94 **Updated:** 01-01-04

We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use.

This product is available in 12x1 cases of quart bottles, 4x1 cases of gallon bottles, five gallon pails and 55 gallon drums.



Material Safety Data Sheet International Truck and Engine Corporation
4201 Winfield Road
Warrenville, IL USA 60555

Part No. LP10001 LP10002

This MSDS was received as current from Lucas Oil on January 19, 2007.
The MSDS was not available in French or Spanish on January 19, 2007.

Lucas Heavy Duty Oil Stabilizer

Product Code: 10001, 10002, 10015, 10091

DIVISION AND LOCATION --- SECTION I

Division: Lucas Oil Products, Inc. • 302 North Sheridan Street • Corona, CA 92880-2067
Emergency Telephone Number: (800) 342-2512

CHEMICAL AND PHYSICAL PROPERTIES --- SECTION II

Chemical Name: Petroleum hydrocarbon plus additives.

Formula: N/A

Hazardous Decomposition Products: Carbon monoxide and carbon dioxide from burning. Oxides from burning. Oxides of phosphorous from burning. Oxides of sulphur.

Incompatibility (keep away from): Strong oxidizers such as hydrogen peroxide, bromine, and chromic acid.

Toxic and Hazardous Ingredients: None

Form: Liquid Odor: Petroleum Appearance: Liquid Color: Light Brown

Specific Gravity (water = 1): .89

Boiling Point: Greater than 371° C (700° F)

Melting Point: -18° C (0° F)

Solubility in Water (by weight %): -0- @ 20° C

Volatile (by weight %): -0-

Evaporation Rate: -0-

Vapor Pressure (mm Hg @ 20° C): -0-

Vapor Density (air = 1): N/A

pH (as is): N/A

Stability: Product is stable under normal conditions

Viscosity cSt @ 100° C: Greater than or = to 100

FIRE AND EXPLOSION DATA --- SECTION III

Special Fire Fighting Procedures (air): Do not use water except as fog

Unusual Fire and Explosion Hazards: None

Flashpoint: (Method Used) Cleveland open cup - greater than 204° C (399° F)

Flammable Limits%: N/A

Extinguishing Agent: Dry chemical, Waterfog, CO 2 or Foam

HEALTH HAZARD DATA --- SECTION IV

Permissible Concentrations (air): If used in applications where a mist may be generated, observe a TWA/PEL of 5 mg/m3 for mineral oil mist (OSHA and ACGIH).

Chronic Effects of Over-Exposure: Prolonged or repeated skin contact may cause dermatitis (skin irritation).

Acute Toxicological Properties: No data available.

Emergency First Aid Procedures:

Eyes: Flush with large amounts of water for a least 15 minutes. If irritation persists, call a physician.

Skin: Remove excess with cloth or paper. Wash thoroughly with soap and water.

Inhalation: Remove victim to fresh air. Call a physician.

Ingestion: Contact a physician immediately.

SPECIAL PROTECTION INFORMATION --- SECTION V

Ventilation type required (local, mechanical, special): None

Respiratory protection (specify type): None

Protective gloves: Neoprene type.

Eye protection: Chemical safety goggles.

Other protective equipment: None

HANDLING OF SPILLS OF LEAKS --- SECTION VI

Procedures for Clean-Up: Transfer bulk of mixture into another container. Absorb residue with an inert material such as earth, sand, or vermiculite. Sweep up and dispose as solid waste in accordance with local, state, and federal regulations.

Waste Disposal: Dispose of in accordance with all applicable federal, state and local regulations.

SPECIAL PRECAUTIONS --- SECTION VII

Precautions to be taken in handling and storage: Do not handle or store at temperatures over.....

Maximum Storage Temperature: 66° C (150° F).

TRANSPORTATION DATA --- SECTION VII

D.O.T: Not regulated

Reportable Quantity: N/A

Freight Classification: Petroleum lubricating oil.

Special Transportation Notes: None

Prepared By: Dell Findley **Title:** Lab Technician **Original Date:** 07-01-94 **Updated:** 01-01-04

We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use.



Material Safety Data Sheet

International Truck and Engine Corporation
4201 Winfield Road
Warrenville, IL USA 60555

Part No. LP10001 LP10002

This MSDS was received as current from Lucas Oil on January 19, 2007.
The MSDS was not available in French or Spanish on January 19, 2007.

Lucas Heavy Duty Oil Stabilizer

Product Code: 10001, 10002, 10015, 10091

DIVISION AND LOCATION --- SECTION I

Division: Lucas Oil Products, Inc. • 302 North Sheridan Street • Corona, CA 92880-2067

Emergency Telephone Number: (800) 342-2512

CHEMICAL AND PHYSICAL PROPERTIES --- SECTION II

Chemical Name: Petroleum hydrocarbon plus additives.

Formula: N/A

Hazardous Decomposition Products: Carbon monoxide and carbon dioxide from burning. Oxides from burning. Oxides of phosphorous from burning. Oxides of sulphur.

Incompatibility (keep away from): Strong oxidizers such as hydrogen peroxide, bromine, and chromic acid.

Toxic and Hazardous Ingredients: None

Form: Liquid

Odor: Petroleum

Appearance: Liquid

Color: Light Brown

Specific Gravity (water = 1): .89

Boiling Point: Greater than 371° C (700° F)

Melting Point: -18° C (0° F)

Solubility in Water (by weight %): -0- @ 20° C

Volatile (by weight %): -0-

Evaporation Rate: -0-

Vapor Pressure (mm Hg @ 20° C): -0-

Vapor Density (air = 1): N/A

pH (as is): N/A

Stability: Product is stable under normal conditions

Viscosity cSt @ 100° C: Greater than or = to 100

FIRE AND EXPLOSION DATA --- SECTION III

Special Fire Fighting Procedures (air): Do not use water except as fog

Unusual Fire and Explosion Hazards: None

Flashpoint: (Method Used) Cleveland open cup - greater than 204° C (399° F)

Flammable Limits%: N/A

Extinguishing Agent: Dry chemical, Waterfog, CO 2 or Foam

HEALTH HAZARD DATA --- SECTION IV

Permissible Concentrations (air): If used in applications where a mist may be generated, observe a TWA/PEL of 5 mg/m³ for mineral oil mist (OSHA and ACGIH).

Chronic Effects of Over-Exposure: Prolonged or repeated skin contact may cause dermatitis (skin irritation).

Acute Toxicological Properties: No data available.

Emergency First Aid Procedures:

Eyes: Flush with large amounts of water for a least 15 minutes. If irritation persists, call a physician.

Skin: Remove excess with cloth or paper. Wash thoroughly with soap and water.

Inhalation: Remove victim to fresh air. Call a physician.

Ingestion: Contact a physician immediately.

SPECIAL PROTECTION INFORMATION --- SECTION V

Ventilation type required (local, mechanical, special): None

Respiratory protection (specify type): None

Protective gloves: Neoprene type.

Eye protection: Chemical safety goggles.

Other protective equipment: None

HANDLING OF SPILLS OF LEAKS --- SECTION VI

Procedures for Clean-Up: Transfer bulk of mixture into another container. Absorb residue with an inert material such as earth, sand, or vermiculite. Sweep up and dispose as solid waste in accordance with local, state, and federal regulations.

Waste Disposal: Dispose of in accordance with all applicable federal, state and local regulations.

SPECIAL PRECAUTIONS --- SECTION VII

Precautions to be taken in handling and storage: Do not handle or store at temperatures over.....

Maximum Storage Temperature: 66° C (150° F).

TRANSPORTATION DATA --- SECTION VII

D.O.T.: Not regulated

Reportable Quantity: N/A

Freight Classification: Petroleum lubricating oil.

Special Transportation Notes: None

Prepared By: Dell Findley **Title:** Lab Technician **Original Date:** 07-01-94 **Updated:** 01-01-04

We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use.

Permatex, Inc.
 10 Columbus Blvd.
 Hartford, CT 06108 USA
 Telephone: 1-87-Permatex
 (877) 376-2839
 Emergency: 800-255-3924
 International Emergency: +01-813-248-0585



Material Safety Data Sheet International Truck and Engine Corporation
 4201 Wyckoff Road
 Warren, Pa. 15085 USA
 Part No. PTX25219 (US only made on file)

Material Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name: **FAST ORANGE PUMICE LOTION 1GAL.**
 Item No: **25219**
 Product Type: **Waterless hand cleaner**

2. COMPOSITION/INFORMATION ON INGREDIENTS			
Component	Weight%	ACGIH; TLV-TWA	OSHA PEL:
WATER 7732-18-5	>76	Not listed	Not Listed
PUMICE 1332-09-8	<10	10 mg/m ³ (Inhal); 3 mg/m ³ (resp) ACGIH	16 mg/m ³ (total); 5 mg/m ³ (resp)
D-Limonene 5989-27-5	<10	Not listed	Not Listed
ETHOXYLATED C11-C18 ALCOHOL 127036-24-2	<3	Not listed	Not Listed
SILICA, QUARTZ 14808-80-7	0.1-1.0	0.05 mg/m ³	0.1 mg/m ³ TWA respirable

3. HAZARDS IDENTIFICATION

Toxicity: Oral LD50 greater than 5000 mg/kg. May cause skin sensitization. Note: This product does not contain microcrystalline silica.
 Primary Routes of Entry: Eye and skin contact, Ingestion, Inhalation
 Signs and Symptoms of Exposure: None under normal conditions of use

Component	Weight%	NTP	ACGIH Carcinogens	IARC
D-Limonene 5989-27-5	<10	male rat-clear evidence; female rat-no evidence; male mice-no evidence; female mice-no evidence		Group 3 Monograph 73, 1999
SILICA, QUARTZ 14808-80-7	0.1-1.0		A2 - Suspected Human Carcinogen	Group 1; Monograph 68, 1997

Medical Conditions Recognized as Being Aggravated by Exposure: None known.

4. FIRST AID MEASURES

Ingestion: If swallowed, DO NOT induce vomiting. Keep individual calm. Obtain medical attention.
 Inhalation: Immediate medical attention is not required.
 Skin Contact: Flush with copious amounts of water.
 Eye Contact: Flush with water.

5. FIRE FIGHTING MEASURES

Flash Point *F(C*): >200°F CC
 Recommended Extinguishing Media: Carbon dioxide, Water, dry chemical
 Special Fire-Fighting Procedures: No special procedures.
 Hazardous Products of Combustion: None anticipated
 Unusual Fire/Explosion Hazards: None

Lower Explosive Limit: Not determined
 Upper Explosive Limit: Not determined

Product Name: FAST ORANGE PUMICE LOTION 1GAL

Item No: 25219

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Rinse away with water or wipe up with a towel.

7. HANDLING AND STORAGE

Storage: Hand cleaner should be stored at temperatures between 40 degrees F. and 100 degrees F.
Handling: Follow all general safety precautions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Not required.
Skin: Not required.
Ventilation: None reasonably foreseeable.
Respiratory Protection: Not required under normal use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White lotion with pumice
Odor: Orange
Boiling Point: Not determined
pH: 6.0-7.7
Solubility in Water: SOLUBLE
Specific Gravity: 1.03
VOC Content(Wt.%): 7.2 %
Vapor Pressure: Not determined
Vapor Density (Air=1): >1
Evaporation Rate: <1 (butyl acetate = 1)

10. STABILITY AND REACTIVITY

Chemical Stability: Stable at normal conditions
Hazardous Polymerization: Will not occur.
Incompatibilities: None known
Conditions to Avoid: Freezing
Hazardous Products of Combustion: None anticipated

11. TOXICOLOGICAL INFORMATION

See Section 3

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended Method of Disposal: Dispose of uncontaminated material through sewer system with permission of the authority responsible for that system.

US EPA Waste Number: NH - Not a RCRA Hazardous Waste Material

14. TRANSPORTATION INFORMATION

DOT (49CFR 172)

Domestic Ground Transport

DOT Shipping Name: Unrestricted
Hazard Class: None
UN/ID Number: None

IATA

Proper Shipping Name: Not regulated
Class or Division: None
UN/ID Number: None

IMDG

Proper Shipping: Unrestricted
Hazard Class: None
UN Number: None

Marine Pollutant: None

MATERIAL SAFETY DATA SHEET

Product Name: 5822 / FLOOR CLEANER
Manufacturer's Name: ChemStation
Address: 4731 Ripley Drive Suite C
El Paso, TX, 79922
Telephone Number: (915) 875-0125
Emergency Telephone Number: CHEMTREC (800) 424-9300
Product Created: September 17, 2001

SECTION 2 - COMPOSITION

Chemical Name:	CAS No.:	PEL:	TLV:	Wt %:
*2-butoxyethanol	111-76-2	50.0 ppm skin	20.0 ppm	0-5
proprietary surfactant blend	mixture	none	none	0-5
sodium hydroxide	1310-73-2	none	2.00 mg/m ³	0-5
water	7732-18-5	none	none	q.s.

* Subject to the reporting requirements of SARA Title III, Section 313.

SECTION 3 - HAZARDS IDENTIFICATION

Emergency Overview: Thin liquid which is corrosive.

Eyes: Corrosive.

Skin: Corrosive.

Inhalation (respiratory tract): Corrosive.

Ingestion (gastrointestinal tract): Corrosive.

Chronic (Cancer) Effects: There is no known effect from chronic exposure to this product.

Teratology (Birth Defect) Information: Components are not known to cause birth defects in humans.

SECTION 4 - FIRST AID MEASURES

Eyes: Flush immediately with running water for fifteen minutes. See a physician if symptoms persist.

Skin: Flush with water immediately. See a physician if symptoms persist.

Inhalation (respiratory tract): Remove to fresh air. See a physician if symptoms persist.

Ingestion (gastrointestinal tract): Dilute stomach contents with water, if conscious. See a physician.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: >200 degrees F PMCC (non-flammable)

UEL: not applicable

Flammable Limits: None

LEL: not applicable

Autoignition Temperature: None

Extinguishing Media: Foam, carbon dioxide or dry chemical.

Special Fire Fighting Procedures: Standard fire fighting procedures apply.

Unusual Fire and Explosion Hazards: Contact with aluminum and other soft metals can generate flammable hydrogen gas.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Action to Take for Spills and Leaks: Small spills should be mopped up. Large spills should be diked with inert absorbent. Material may be pumped back into container or neutralized for disposal.

SECTION 7 - HANDLING AND STORAGE

Handling: Avoid contact with eyes. Avoid prolonged contact with skin. Do not ingest. Keep out of reach of children.

Storage: Store product in ambient temperature. Avoid freezing or high heat.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment:

Eye Protection: Where splashing is likely, wear safety goggles.

Skin Protection: Latex, natural rubber, neoprene or nitrile gloves are recommended.

Respiratory Protection: Not normally required. If needed, such as in enclosed areas, use NIOSH-approved mask or respirator to maintain acceptable inhalation levels.

Other Protective Clothing or Equipment: None.

Ventilation: Normal room air circulation.

For exposure control levels such as Threshold Limit Values (TLVs) or Permissible Exposure Limits (PELs) please refer to Section 2.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Thin liquid
Vapor Pressure: Not Determined
Evaporation Rate (Bu0ac=1): 0.33
Solubility in Water: Complete
Melting Point: <32 deg F
Odor: Mild
Vapor Density: Not Determined
Boiling Point: > 212 deg F
Specific Gravity: 1.060
pH: 13.6

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability: Stable.
Conditions to Avoid: Avoid extremes in temperature.
Incompatibility: Strong oxidizers, acids.
Hazardous Decomposition or Byproducts: None.
Hazardous Polymerization: Will not occur.

SECTION 11 - TOXICOLOGY INFORMATION

No toxicity studies have been conducted on this product.

SECTION 12 - ECOLOGICAL INFORMATION

5822 is fully biodegradable. No toxicity studies have been conducted on this product.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Method: Dispose of in accordance with all applicable local, state, county and federal laws.

SECTION 14 - TRANSPORT INFORMATION

Shipping Name: Compound, Cleaning, Liquid, (Sodium Hydroxide)
Hazard Class: 8 ID No.: NA 1760 Packing Group: III

SECTION 15 - REGULATORY INFORMATION

All ingredients in 5822 are listed on the TSCA inventory.

SECTION 16 - OTHER INFORMATION

CHEMSTATION HAZARD IDENTIFICATION:

Health: 2 0= no appreciable health hazard 1= skin irritant 2= hazardous ingredients <70% 3= hazardous ingredients >= 70%	Flammability: 0 0= flash point >200 1= 200 >= flash point >140 2= 140 >= flash point >100 3= flash point <= 100	Reactivity: 0 0-3 assigned on basis of reactivity of individual ingredients
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The data in this material safety data sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. This information is based upon technical data we believe is reliable. Because actual conditions of use are outside our control, no warranties, expressed or implied, are made and we assume no liability in connection with any use of this information.

Every effort has been made to accurately assess the possible hazards associated with this product. We believe that the actual hazards encountered using our products are less severe than those represented by the concentrated raw materials used to make them.