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SECTION 01: CHEMICAL PRODUCT & COMPANY ID  
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PRODUCT PRIMARY NAME: RDL 3239B

CHAT SYNONYMS: AUTO-TRAK II

- > RDL 3239B
- > 12378508
- > 773494
- > 88900402
- > 9986186

SAFE USE CATEGORY AND DESCRIPTION: 04 -METAL WORKING FLUIDS  
AND LUBRICANTS

LAST UPDATED DATE: 1999-05-07

MANUFACTURER'S ID (MID): 000553637

MANUFACTURER'S NAME: PETRO-CANADA

MANUFACTURER'S EMERGENCY PHONE NUMBER/TEXT: CA 403-296-3000

MANUFACTURER'S MAILING ADDRESS:

P.O. BOX 2844

CALGARY AB T2P3E3

CA

PRODUCT USE: AUTOMATIC TRANSMISSION FLUID DESIGNED PRIMARILY  
FOR SATURN VEHICLES BUT SUITABLE ALSO FOR OTHER VEHICLE MAKES  
AND AS A HYDRAULIC  
AND POWER STEERING FLUID FOR MOBILE EQUIPMENT.

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SECTION 02: COMPOSITION & INGREDIENT INFO  
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CAS#	FORMULATION	W/V	CHEMICAL NAME
000100414	T 0.0000/ 0.0000%	W	BENZENE, ETHYL-
001330207	T 0.0000/ 0.0000%	W	XYLENE
007446095	T 0.0000/ 0.0000%	W	SULFUR DIOXIDE
064741884	= 1.8600/ 0.0000%	W	MINERAL OIL, PETROLEUM DISTILLATES
*			, SOLVENT-REFINED (severe) HEAVY P
*			ARAFFINIC
064741975	< 0.0000/ 1.0000%	W	MINERAL OIL, PETROLEUM DISTILLATES
*			, SOLVENT-REFINED (severe) LIGHT N
*			APHTHENIC

064742650 = 1.8600/ 0.0000% W MINERAL OIL, PETROLEUM DISTILLATES  
 \* , SOLVENT-DEWAXED HEAVY PARAFFINIC  
 \* (severe solvent-refining and/or h  
 \* ydrotreatment)  
 068171506 = 4.3800/ 0.0000% W 2-Propenoic acid, 2-methyl-, dodec  
 \* yl ester, polymer with methyl 2-me  
 \* thyl-2-propenoate and tetradecyl 2  
 \* -methyl-2-propenoate  
 072623848 = 12.6200/ 0.0000% W Lubricating oils, petroleum, C15-3  
 \* 0, hydrotreated neutral oil-based,  
 \* contg. solvent deasphalted residu  
 \* al oil  
 072623860 = 74.3600/ 0.0000% W Lubricating oils, petroleum, C15-3  
 \* 0, hydrotreated neutral oil-based  
 074499368 T 0.0000/ 0.0000% W 9,10-Anthracenedione, 1,4-diamino-  
 \* , N,N'-mixed 2-ethylhexyl and Me an  
 \* d pentyl derivs.  
 989915788 = 5.0200/ 0.0000% W MINERAL OIL  
 989922365 < 0.0000/ 1.0000% W ACRYLIC COPOLYMER  
 989981804 < 0.0000/ 1.0000% W HETEROCYCLIC ETHER

SECTION 2 - OTHER INFORMATION: THIS PRODUCT CONTAINS THE FOLLOWING ADDITIVE PACKAGES: ACRYLOID 4115, ACRYLOID 1265, HITEC 437, LUBTIZOL 730, AND BLUE DYE #1.

THRESHOLD LIMIT VALUE: 8-HOUR TLV-TWA OF 5 MG/M3 RECOMMENDED BY MANUFACTURER BASED ON ACGIH TLV FOR OIL MISTS. CONSULT LOCAL AUTHORITIES FOR ACCEPTABLE EXPOSURE LIMITS.

CERCLA (SUPERFUND) REPORTABLE QUANTITY (LBS): NONE

SARA 313: NONE

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 SECTION 03: HAZARDS IDENTIFICATION  
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PRIMARY ENTRY ROUTE INDICATORS:

SKIN PRIMARY ENTRY ROUTE INDICATOR = Y  
 EYE PRIMARY ENTRY ROUTE INDICATOR = Y  
 INHALATION PRIMARY ENTRY ROUTE INDICATOR = Y  
 INGESTION PRIMARY ENTRY ROUTE INDICATOR = Y  
 PRIMARY ROUTES OF ENTRY TEXT: SKIN CONTACT, EYE CONTACT,  
 INHALATION, AND INGESTION.

EFFECTS OF OVEREXPOSURE - SKIN: NON IRRITATING TO THE SKIN.

EFFECTS OF OVEREXPOSURE - SKIN CHRONIC: PROLONGED OR REPEATED CONTACT

MAY CAUSE SKIN IRRITATION CHARACTERIZED BY DERMATITIS OR OIL ACNE.

EFFECTS OF OVEREXPOSURE - EYE: NON IRRITATING TO EYES.

EFFECTS OF OVEREXPOSURE - EYE CHRONIC: BASE OILS ARE NOT EYE IRRITANTS.

HOWEVER, REPEATED OR PROLONGED CONTACT WITH SPRAY MIST MAY PRODUCE EYE IRRITATION, BUT NO PERMANENT DAMAGE.

EFFECTS OF OVEREXPOSURE - INHALATION: THIS PRODUCT HAS A LOW VAPOUR PRESSURE AND IS NOT EXPECTED TO PRESENT AN INHALATION EXPOSURE AT AMBIENT CONDITIONS. UPON HEATING TO HIGH TEMPERATURES, OR MECHANICAL ACTIONS WHICH MAY PRODUCE VAPOURS, MISTS OR FUMES, INHALATION OF THE PRODUCT MAY CAUSE IRRITATION OF THE BREATHING PASSAGES. ASPIRATION OF THE SOLVENT INTO THE LUNG MAY PRODUCE A POTENTIALLY FATAL CHEMICAL

PNEUMONITIS. EFFECTS OF OVEREXPOSURE - INHALATION CHRONIC: PROLONGED OR REPEATED INHALATION OF MISTS OR FUMES MAY CAUSE IRRITATION OF THE RESPIRATORY TRACT. OIL DEPOSITS IN THE LUNG MAY LEAD TO FIBROSIS AND REDUCED PULMONARY FUNCTION.

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#### SECTION 04: FIRST AID MEASURES

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EMERGENCY FIRST AID PROCEDURES - SKIN: REMOVE CONTAMINATED CLOTHING-LAUNDRER BEFORE REUSE. WASH GENTLY AND THOROUGHLY THE CONTAMINATED SKIN WITH RUNNING WATER AND NONE-ABRASIVE SOAP. GET MEDICAL ATTENTION IF REDNESS OR IRRITATION OCCURS.

EMERGENCY FIRST AID PROCEDURES - EYES: CHECK FOR AND REMOVE ANY CONTACT LENSES. IMMEDIATELY FLUSH EYES WITH RUNNING WATER FOR AT LEAST 15 MINUTES, KEEPING EYELIDS OPEN. DO NOT USE AN EYE OINTMENT. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.

EMERGENCY FIRST AID PROCEDURES - INHALATION: EVACUATE THE VICTIM TO A SAFE AREA AS SOON AS POSSIBLE. IF THE VICTIM IS NOT BREATHING, PERFORM MOUTH-TO-MOUTH RESUSCITATION. ADMINISTER OXYGEN IF AVAILABLE. SEEK MEDICAL ATTENTION.

EMERGENCY FIRST AID PROCEDURES - INGESTION: DO NOT INDUCE VOMITING BECAUSE OF DANGER OF ASPIRATING LIQUID INTO LUNGS. GET IMMEDIATE MEDICAL ATTENTION.

NOTES TO PHYSICIAN: PREVENT FURTHER ABSORPTION BY ADMINISTERING CHARCOAL SLURRY, AQUEOUS OR MIXED WITH SALINE CATHARTIC OR SORBITOL. THE FDFA SUGGESTED 240 ML OF DILUENT/30 G OF CHARCOAL. USUAL CHARCOAL DOSE IS 30 TO 100 G IN ADULTS, 15 TO 30 G IN CHILDREN AND 1 TO 2 G/KG IN INFANTS.

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#### SECTION 05: FIRE-FIGHTING MEASURES

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FLAMMABLE LEL: NAV 0.00  
FLAMMABLE UEL: NAV 0.00

EXTINGUISHING MEDIA: SMALL FIRE: USE DRY CHEMICALS, FOAM, OR CO<sub>2</sub>. LARGE FIRE: USE WATER SPRAY, FOG OR FOAM. FOR SMALL OUTDOOR FIRES, PORTABLE FIRE EXTINGUISHERS MAY BE USED, AND SELF CONTAINED BREATHING APPARATUS (SCBA) MAY NOT BE REQUIRED. SPECIAL FIRE FIGHTING PROCEDURES: NAERG96, GUIDE 171, SUBSTANCES (LOW TO MODERATE HAZARD). IF TANK, RAIL CAR OR TANK TRUCK IS INVOLVED IN A FIRE, ISOLATE FOR 800 METERS (0.5 MILE) IN ALL DIRECTIONS; ALSO, CONSIDER INITIAL EVACUATION FOR 800 METERS (0.5 MILE) IN ALL DIRECTIONS. DO NOT EXTINGUISH A LEAKING GAS FLAME UNLESS LEAK CAN BE STOPPED. SHUT OFF FUEL TO FIRE IF IT IS POSSIBLE TO DO SO WITHOUT HAZARD. IF THIS IS IMPOSSIBLE, WITHDRAW FROM AREA AND LET FIRE BURN OUT UNDER CONTROLLED CONDITIONS. WITHDRAW IMMEDIATELY IN CASE OF RISING SOUND FROM VENTING SAFETY DEVICE OR ANY DISCOLOURATION OF TANK DUE TO FIRE. COOL CONTAINING VESSELS WITH WATER SPRAY IN ORDER TO PREVENT PRESSURE BUILD-UP, AUTOIGNITION OR EXPLOSION. FOR ALL INDOOR FIRES AND ANY SIGNIFICANT OUTDOOR FIRES, SCBA IS REQUIRED. RESPIRATORY AND EYE PROTECTION ARE REQUIRED FOR FIRE FIGHTING PERSONNEL. UNUSUAL FIRE AND EXPLOSION HAZARDS: DO NOT CUT, WELD, HEAT, DRILL OR PRESSURIZE EMPTY CONTAINER. LOW FIRE HAZARD. THIS MATERIAL MUST BE HEATED BEFORE IGNITION WILL OCCUR. AVOID CONTACT WITH STRONG OXIDIZING AGENTS, INCLUDING PEROXIDES, CHLORINE, AND STRONG ACIDS. PRODUCTS OF COMBUSTION: CARBON OXIDES (CO, CO<sub>2</sub>), SMOKE AND IRRITATING FUMES AS PRODUCTS OF IMCOMPLETE COMBUSTION.

HMIS CODES:

HMIS REACTIVITY CODE = 0

HMIS HEALTH CODE = 1

HMIS FLAMMABILITY CODE = 1

NFPA CODES:

NFPA FLAMMABILITY CODE = 1

NFPA HEALTH CODE = 1

NFPA REACTIVITY CODE = 0

AUTO-IGNITION TEMPS: = 202.00C/ 395.00F

FLASH POINT TEMPS: = 182.00C/ 359.60F

FLASH POINT METHOD: COC

FLASH POINT METHOD TEXT: OPEN CUP; CLEVELAND OPEN CUP TESTER, ASTM D9.2.

FIRE POINT TEMPS: =

SECTION 5 - OTHER INFORMATION: FLAMMABILITY: COMBUSTIBLE LIQUID (NFPA).

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SECTION 06: ACCIDENTAL RELEASE MEASURES

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SPILL OR LEAK PROCEDURES: NAERG96, GUIDE 171, SUBSTANCES (LOW TO MODERATE HAZARD). ELIMINATE ALL IGNITION SOURCES. AVOID CONTACT. STOP LEAK IF WITHOUT RISK. CONTAIN SPILL. ABSORB WITH INERT ABSORBENTS SUCH AS DRY CLAY, OR DIATOMACEOUS EARTH. AVOID INHALING DUST OF DIATOMACEOUS EARTH FOR IT MAY CONTAIN SILICA IN VERY FINE PARTICLE SIZE, MAKING THIS A POTENTIAL RESPIRATORY HAZARD. PLACE USED ABSORBENT IN CLOSED METAL CONTAINERS FOR LATER DISPOSAL OR BURN ABSORBENT IN A SUITABLE COMBUSTION CHAMBER. DO NOT FLUSH TO SEWERS, STREAMS OR OTHER BODIES OF WATER. CHECK WITH APPLICABLE JURISDICTION FOR SPECIFIC DISPOSAL REQUIREMENTS OF SPILLED MATERIAL AND EMPTY CONTAINERS. NOTIFY THE APPROPRIATE AUTHORITIES IMMEDIATELY.

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SECTION 07: HANDLING AND STORAGE

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: AVOID INHALATION AND SKIN CONTACT ESPECIALLY WHEN HANDLING USED OIL. WASH HANDS AFTER HANDLING AND BEFORE EATING. LAUNDER WORK CLOTHES FREQUENTLY. DISCARD SATURATED LEATHER GOODS. DO NOT REUSE EMPTY CONTAINERS WITHOUT COMMERCIAL CLEANING OR RECONDITIONING. STORE IN TIGHTLY CLOSED CONTAINERS IN COOL, DRY, ISOLATED, WELL-VENTILATED AREA, AND AWAY FROM STRONG OXIDIZING AGENTS.

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SECTION 08: EXPOSURE CONTROLS - PROTECTION

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EYE PROTECTION: CHEMICAL SPLASH GOGGLES IN CASE OF SPLASHING.

SKIN PROTECTION: LONG SLEEVED CLOTHING TO MINIMIZE SKIN CONTACT. SAFETY BOOTS OR SHOES.

RESPIRATORY PROTECTION: RESPIRATOR NORMALLY NOT NECESSARY. IF MIST GENERATED BY HEATING, SPRAYING, ETC. WEAR APPROVED ORGANIC VAPOUR RESPIRATOR SUITABLE FOR OIL MIST IN AREAS WITH SUFFICIENT OXYGEN.

VENTILATION: FOR NORMAL APPLICATION, SPECIAL VENTILATION IS NOT

NECESSARY. IF USER'S OPERATIONS GENERATE FUME OR MIST, USE VENTILATION TO KEEP EXPOSURE TO AIRBORNE CONTAMINANTS BELOW THE EXPOSURE LIMIT. MAKE-UP AIR SHOULD ALWAYS BE SUPPLIED TO BALANCE AIR REMOVED BY EXHAUST VENTILATION.

PROTECTIVE GLOVES (SPECIFY TYPE): FOR CASUAL CONTACT, PVC GLOVES ARE SUITABLE. FOR DIRECT CONTACT FOR MORE THAN 2 HOURS, NEOPRENE OR NITRILE GLOVES ARE RECOMMENDED.

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SECTION 09: PHYSICAL & CHEMICAL PROPERTIES  
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OTHER VOLATILE ORGANIC COMPOUND RELATED DATA: 0.00LB/GAL  
PACKAGED VOC VALUE/WEIGHT OR VOLUME CODE: 0.00 BY W

BOILING POINT TEMPS: = 316.00C/ 600.80F

MELTING/FREEZE POINT TEMPS: =  
POUR POINT TEMPS: = - 48.00C/- 54.00F

SPECIFIC GRAVITY VALUES: = 0.7290

DENSITY VALUES/UOM: = 0.8600  
DENSITY TEXT: WATER=1

VAPOR DENSITY VALUES: =  
VAPOR DENSITY TEXT: NOT AVAILABLE  
VAPOR PRESSURE VALUES/UOM: =  
VAPOR PRESSURE TEXT: NEGLIGIBLE AT AMBIENT TEMPERATURE AND PRESSURE.

PERCENT VOLATILE BY VOLUME: =  
PERCENT VOLATILE BY WEIGHT VALUES: =  
PERCENT SOLID BY WEIGHT VALUES: =

SOLUBILITY IN WATER VALUES/UOM: =  
SOLUBILITY IN WATER TEXT: INSOLUBLE IN COLD WATER, SOLUBLE IN NON-POLAR HYDROCARBON SOLVENTS.

APPEARANCE: VISOUS BLUE LIQUID

ODOR: NO ODOUR OR SLIGHT PETROLEUM OIL LIKE. ODOUR THRESHOLD: NOT AVAILABLE.

VISCOSITY TEXT: 33.6 CST AT 40C; 7.23 CST AT 100C, VI=187

PHYSICAL STATE: LIQ

SECTION 9 - OTHER INFORMATION: SOFTENING POINT, DROPPING POINT, PENETRATION: NOT APPLICABLE. OIL/WATER DIST. COEFFICIENT: NOT MEASURABLE. IONICITY (IN WATER): INSOLUBLE IN WATER. DISPERSION PROPERTIES: NONVOLATILE AND IMMOBILE.

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SECTION 10: STABILITY & REACTIVITY

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STABILITY INDICATOR: Y

STABILITY - TEXT: THE PRODUCT IS STABLE UNDER NORMAL HANDLING AND STORAGE CONDITIONS.

INCOMPATIBLE MATERIALS: AVOID CONTACT WITH STRONG OXIDIZING AGENTS, INCLUDING PEROXIDES, CHLORINE AND STRONG ACIDS. REACTIVE WITH OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION PRODUCTS: RELEASES OF COX, SMOKE AND IRRITATING FUMES WHEN HEATED TO DECOMPOSITION.

HAZARDOUS POLYMERIZATION INDICATOR: N

HAZARDOUS POLYMERIZATION TEXT: WILL NOT OCCUR UNDER NORMAL WORKING CONDITIONS.

SECTION 10 - OTHER INFORMATION: CORROSIVITY: NON CORROSIVE

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SECTION 11: TOXICOLOGICAL INFORMATION

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TOXICOLOGICAL DATA UNLIMITED TEXT: IMMUNOTOXICITY: NO STUDIES WERE FOUND. EYE EFFECTS: NON-IRRITATING (RABBIT). BASE OILS ARE NOT EYE IRRITANTS. HOWEVER, REPEATED OR PROLONGED CONTACT WITH SPRAY MIST MAY PRODUCE EYE IRRITATION, BUT NO PERMANENT DAMAGE.

SKIN EFFECTS: BASED ON TOXICITY OF SIMILAR PRODUCT. LD50 >2000 MG/KG (RABBIT). ACUTE DERMAL IRRITATION: NON-IRRITATING (RABBIT).

ACUTE ORAL EFFECTS: BASED ON TOXICITY OF SIMILAR PRODUCT. LD50 >5000 MG/KG (RAT). RELATIVELY NON-TOXIC VIA INGESTION.

ACUTE INHALATION EFFECTS: BASED ON TOXICITY OF SIMILAR PRODUCT. LC50 >2500 MG/M3/4H (RAT).

CARCINOGENICITY: ACGIH (OIL MIST)-BASED ON THE AVAILABLE HUMAN STUDIES, EXPOSURE TO OIL MIST ALONE HAS NOT BEEN DEMONSTRATED TO CAUSE HUMAN HEALTH EFFECTS AT LEVELS BELOW 5 MG/M3. IT IS ANTICIPATED THAT THIS LEVEL MINIMIZE THE POTENTIAL FOR SKIN AND RESPIRATORY TRACT IRRITATION. IARC GROUP 3: CANNOT BE CLASSIFIED AS TO CARCINOGENICITY TO HUMANS. NTP AND IRIS: NO STUDIES WERE FOUND. AN API STUDY HAS INDICATED THAT PROLONGED OR REPEATED SKIN EXPOSURE TO USED MOTOR OILS CAN CAUSE CANCER IN MICE.

MUTAGENICITY: BASE OILS EXHIBITED NEGATIVE MUTOGENIC ACTIVITY TOWARD:

(A) SALMONELLA TYPHIMUIUM TA98 USING THE MODIFIED AMES ASSAY FOR PETROLEUM; (B) SALMONELLA-ESCHERICHACOLI/MAMMALIAN-MICROSOME REVERSE MUTATION ASSY (AMES TEST) WITH A CONFIRMATORY ASSAY.

REPRODUCTIVE EFFECTS: BASED ON THE AVAILABLE ANIMAL DATA, SEVERELY HYDROTREATED BASE OILS DO NOT POSE A REPRODUCTIVE RISK NO DO THEY POSE A DEVELOPMENTAL OR TERATOGENICITY RISK.

ALLERGEN OR SENSITIVITY: BASED ON TOXICITY OF SIMILAR PRODUCT, BASE OILS ARE NOT SENSITIZERS IN GUINEA PIG. NO STUDIES WERE FOUND CONCERNING RESPIRATORY TRACT SENSITIZATION.

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## SECTION 12: ECOLOGICAL INFORMATION

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ECOLOGICAL INFORMATION: ENVIRONMENTAL FATE: THE PRODUCT HAS THE POTENTIAL FOR DEGRADATION BY BACTERIA OVER AN EXTENDED PERIOD OF TIME. PERSISTANCE/BIOACCUMULATION POTENTIAL: NO STUDIES WERE FOUND. BOD5 AND COD: NOT AVAILABLE. PRODUCTS OF BIODEGRADATION: POSSIBLY HAZARDOUS SHORT TERM DEGRADATION PRODUCTS ARE NOT LIKELY. HOWEVER, LONG TERM DEGRADATION PRODUCTS MAY ARISE. ADDITIONAL REMARKS: BASE OILS EXHIBIT NO TO LOW ACUTE TOXICITY TOWARD AQUATIC ORGANISMS; LC50 (RAINBOW TROUT): >400,000 PPM IN 96 HOURS; 0% MORTALITY AT 400,000 PPM IN 96 HOURS; LC50 (MYSIDOPSIS BAHAI): >500,00 PPM IN 96 HOURS; PASSED THE EPS 1/RM/24 MICROTOX TEST USING LUMINESCENT BACTERIA; 57-88% OF BASE OILS ARE BIODEGRADABLE IN 28 DAYS.

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## SECTION 13: DISPOSAL CONSIDERATIONS

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WASTE DISPOSAL METHOD: SPENT/USED/WASTE OIL MAY MEET THE REQUIREMENTS OF A HAZARDOUS WASTE. CONSULT YOUR LOCAL OR REGIONAL AUTHORITIES. PREFERRED WASTE MANAGEMENT PRIORITIES ARE: (1) RECYCLE OR REPROCESS; (2) INCINERATION WITH ENERGY

RECOVERY; (3) DISPOSAL AT LICENSED WASTE DISPOSAL FACILITY.  
ENSURE THAT DISPOSAL OR REPROCESSING IS IN COMPLIANCE WITH  
GOVERNMENT REQUIREMENTS AND LOCAL DISPOSAL REGULATIONS.  
CONSULT YOUR LOCAL OR REGIONAL AUTHORITIES.

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SECTION 14: TRANSPORT INFORMATION

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DOT INFORMATION: NOT APPLICABLE

SECTION 14 - OTHER INFORMATION: NOT EVALUATED FOR EUROPEAN  
TRANSPORT.

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SECTION 15: REGULATORY INFORMATION

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SECTION 15 - OTHER INFORMATION: CEPA/EPA/EC: THIS PRODUCT IS  
ACCEPTABLE FOR USE UNDER THE PROVISIONS OF WHMIS-CPR. ALL  
COMPONENTS OF THIS FORMULATION ARE LISTED ON CEPA-DSL AND US  
EPA TSCA. DSD/DPD(EUROPE): NOT EVALUATED. HCS (USA): NOT  
CONTROLLED. WHMIS: NOT CONTROLLED.

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SECTION 16: OTHER INFORMATION

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SPECIAL PROTECTION (MECHANICAL): ENSURE THAT EYEWASH STATION  
AND SAFETY SHOWER ARE CLOSE TO WORK-STATION.