

TEXACO LUBRICANTS DIV OF TEXACO REF & MKTG -- 07994 HAVOLINE DEX-COOL EXTENDED LIFE ANTIF.  
 MATERIAL SAFETY DATA SHEET  
 NSN: 685000F055619  
 Manufacturer's CAGE: TEXCO  
 Part No. Indicator: A  
 Part Number/Trade Name: 07994 HAVOLINE DEX-COOL EXTENDED LIFE ANTIFREEZE/  
 COOLANT

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 General Information  
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Company's Name: TEXACO LUBRICANTS CO DIV OF TEXACO REF & MKTG INC  
 Company's P. O. Box: 4427  
 Company's City: HOUSTON  
 Company's State: TX  
 Company's Country: US  
 Company's Zip Code: 77210-4427  
 Company's Emerg Ph #: 914-831-3400/914-838-7336  
 Company's Info Ph #: 914-838-7204/512-459-6543  
 Record No. For Safety Entry: 001  
 Tot Safety Entries This Stk#: 001  
 Status: SE  
 Date MSDS Prepared: 01OCT96  
 Safety Data Review Date: 11MAR98  
 Preparer's Company: TEXACO LUBRICANTS CO DIV OF TEXACO REF &  
 Preparer's City: HOUSTON  
 Preparer's State: TX  
 Preparer's Zip Code: 77210-4427  
 MSDS Serial Number: CGJMM

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 Ingredients/Identity Information  
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Proprietary: NO  
 Ingredient: ETHYLENE GLYCOL \*97-4\*  
 Ingredient Sequence Number: 01  
 Percent: 80-95  
 NIOSH (RTECS) Number: KW2975000  
 CAS Number: 107-21-1  
 OSHA PEL: 50 PPM  
 ACGIH TLV: C 127 MG/CUM  
 Other Recommended Limit: 10 MG/CUM

Proprietary: NO  
 Ingredient: HEXANOIC ACID, 2-ETHYL-, POTASSIUM SALT  
 Ingredient Sequence Number: 02  
 Percent: 3-10  
 NIOSH (RTECS) Number: 1015261HE  
 CAS Number: 3164-85-0

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 Physical/Chemical Characteristics  
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Appearance And Odor: ORANGE LIQUID W/MILD ODOR  
 Boiling Point: 228F  
 Vapor Density (Air=1): 2.1  
 Specific Gravity: 1.13  
 Solubility In Water: >10%  
 pH: 8.3

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 Fire and Explosion Hazard Data  
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Flash Point: 260F  
 Flash Point Method: PMCC  
 Extinguishing Media: WATER SPRAY, DRY CHEMICAL, FOAM/CO2  
 Special Fire Fighting Proc: USE WATER SPRAY TO COOL FIRE-EXPOSED  
 CONTAINERS. WATER/FOAM MAY CAUSE FROTHING.  
 Unusual Fire And Expl Hazrds: NONE

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 Reactivity Data  
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 Stability: YES  
 Materials To Avoid: NONE  
 Hazardous Decomp Products: CO, CO2, ALDEHYDES & KETONES, COMBUSTION  
 PRODUCTS/COMPOUNDS OF POTASSIUM  
 Hazardous Poly Occur: NO  
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Health Hazard Data

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 Route Of Entry - Inhalation: YES  
 Route Of Entry - Skin: YES  
 Route Of Entry - Ingestion: YES  
 Health Haz Acute And Chronic: EYES: MAY CAUSE IRRITATION. SKIN: SEVERE  
 IRRITANT W/PROLONGED CONTACT. INHALATION: NOSE/THROAT IRRITANT. ABSORPTION  
 MAY RESULT BY OVEREXPOSURE OF HARMFUL AMOUNTS. INGESTION: HARMFUL IF  
 SWALLOWED. ASPIRATION MAY CAUSE DAMAGE TO LUNGS, KIDNEY & LIVER. SEVERE  
 POISONING MAY CAUSE DEATH.  
 Carcinogenicity - NTP: NO  
 Carcinogenicity - IARC: NO  
 Carcinogenicity - OSHA: NO  
 Explanation Carcinogenicity: NONE  
 Signs/Symptoms Of Overexp: IRRITATION, DISCOMFORT, REDNESS, SWELLING,  
 HEADACHE, NAUSEA, DROWSINESS, WEAKNESS, CONFUSION, DIZZINESS, STAGGERING,  
 SLURRED SPEECH, LOSS OF COORDINATION, FAINTNESS, VOMITING, INCREASED HEART  
 RATE, DECREASED BLOOD PRESSURE, DIFFICULTY BREATHING/SEEING,  
 UNCONSCIOUSNESS, CONVULSIONS, COLLAPSE, COMA, DECREASED URINATION  
 Med Cond Aggravated By Exp: EXISTING KIDNEY DISEASE.  
 Emergency/First Aid Proc: EYES: IMMEDIATELY FLUSH W/PLENTY OF WATER FOR 15  
 MINS. SKIN: WASH W/PLENTY OF SOAP & WATER. INGESTION: IF CONSCIOUS,  
 IMMEDIATELY GIVE 2 GLASSES OF WATER. INDUCE VOMITING AS DIRECTED. NEVER  
 GIVE ANYTHING BY MOUTH IF UNCONSCIOUS/CONVULSIVE. INHALATION: REMOVE TO  
 FRESH AIR. OBTAIN MEDICAL ATTENTION IN ALL CASES. ETHYLENE GLYCOL  
 POISONING: INTRAVENOUS ETHANOL IS A ANTIDOTAL TREATMENT. (SEE SUPP)  
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Precautions for Safe Handling and Use

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 Steps If Matl Released/Spill: VENTILATE AREA. WEAR APPROPRIATE PROTECTIVE  
 EQUIPMENT W/RESPIRATORY PROTECTION. CONTAIN LEAK IF POSSIBLE. WIPE UP/  
 ABSORB ON SUITABLE MATERIAL & SHOVEL UP. PREVENT ENTRY INTO SEWERS &  
 WATERWAYS.  
 Waste Disposal Method: USER OF THE PRODUCT SHOULD DETERMINE AT THE TIME OF  
 DISPOSAL, IF THE PRODUCT MEETS RCRA CRITERIA FOR HAZARDOUS WASTE. DISPOSE  
 OF IAW/LOCAL, STATE & FEDERAL REGULATIONS.  
 Precautions-Handling/Storing: MINIMUM FEASIBLE HANDLING TEMPS SHOULD BE  
 MAINTAINED. PERIODS OF EXPOSURE TO HIGH TEMPS SHOULD BE MINIMIZED. WATER  
 CONTAMINATION SHOULD BE AVOIDED.  
 Other Precautions: AVOID BREATHING VAPORS/CONTACT W/SKIN, EYES/CLOTHING.  
 PREVENT CONTAMINATION OF WATER SUPPLIES/POISONING OF CHILDREN/AQUATIC LIFE/  
 DOMESTIC & WILD ANIMALS BY NEVER DISCARDING ANTIFREEZE SOLUTION ONTO THE  
 GROUND/IN SURFACE WATER/STORM SEWERS.  
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Control Measures

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 Respiratory Protection: IF VAPOR/MIST/DUST IS GENERATED & OEL OF THE  
 PRODUCT IS EXCEEDED, USE APPROPRIATE NIOSH/MSHA APPROVED AIR PURIFYING/AIR  
 SUPPLIED RESPIRATOR AFTER DETERMINING THE AIRBORNE CONCENTRATION OF THE  
 CONTAMINANT.  
 Ventilation: ADEQUATE TO MEET COMPONENT OCCUPATIONAL EXPOSURE LIMITS.  
 Protective Gloves: CHEMICAL RESISTANT  
 Eye Protection: SAFETY GLASSES/CHEMICAL GOGGLES  
 Other Protective Equipment: FACESHIELD, PROTECTIVE CLOTHING; COVERALLS,  
 LAB COATS, BOOTS  
 Work Hygienic Practices: REMOVE/LAUNDER CONTAMINATED CLOTHING. DESTROY  
 NON-RESISTANT FOOTWEAR. PRODUCT IS FOR INDUSTRIAL USE ONLY.  
 Suppl. Safety & Health Data: FIRST AID CONT'D: ASPIRATION DURING INDUCED  
 EMESIS MAY RESULT IN SEVERE LUNG INJURY. IF EVACUATION OF STOMACH IS  
 NECESSARY, USE METHOD SUCH AS GASTRIC LAVAGE AFTER ENDOTRACHEAL INTUBATION.  
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Transportation Data

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Disposal Data

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Label Data

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