

GARD CORPORATION -- GARDFLEET SAE 30 MIL-L-2104F

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MSDS Safety Information  
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FSC: 9150  
NIIN: 00-186-6681  
MSDS Date: 04/19/1999  
MSDS Num: CJLVQ  
Product ID: GARDFLEET SAE 30 MIL-L-2104F  
MFN: 02  
Responsible Party  
Cage: 3K676  
Name: GARD CORPORATION  
Address: 2840 ROE LANE  
City: KANSAS CITY KS 66103

Phone Number: 913-236-5000  
Emergency Phone Number: 913-236-5000, CHEMTREC 800-424-9300  
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Item Description Information  
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Item Manager: S9G  
Item Name: LUBRICATING OIL,ENGINE  
Specification Number: MIL-L-2104  
Type/Grade/Class: GRADE 30  
Unit of Issue: QT  
UI Container Qty: G  
Type of Container: CAN  
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Ingredients  
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Name: \*\*\* PROPRIETARY \*\*\*  
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Health Hazards Data  
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LD50 LC50 Mixture: NO INFORMATION GIVEN BY MFR ON THE MSDS.  
Route Of Entry Inds - Inhalation: YES  
Skin: NO  
Ingestion: YES  
Carcinogenicity Inds - NTP: NO  
IARC: NO  
OSHA: NO  
Effects of Exposure: EYE CONTACT: MAY CAUSE MILD EYE DISCOMFORT, TESRING, OR  
BLEARING OF VISION. SKIN: REPE

ATED CONTACT MAY LEAD TO AN ALLERGIC SKIN

SENEITIZATION. INHALATION: OVEREXPOSURE BY INHALATION OF HAOT MATERIAL MA Y  
CAUSE NAUSEA,HEADACHE, OR WEAKNESS. INGESTION: DO NOT INGEST. ASPIRATION MAY  
LEAD TO CHEMICAL PNUMONITIS WHIC IS CHARACTERIZED BY PULMONARY EDEMA AND  
HEMORAGE AND MAY BE FATAL. GASTROINTESTINAL DISC OMFORT MAY DEVELOP. THIS  
PRODUCT HAS LAXATIVE PROPERTIES AND MAY RESULT IN ABDOMINAL CRAMPS AND  
DIARRHEA.

Explanation Of Carcinogenicity: MFR LISTED NO INFORMATION ABOUT T  
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CARCINOGENICITY OF THIS MATERIAL. DOES NOT EXPECT IT TO BE CARCINOGENIC.

Signs And Symptions Of Overexposure: EYE: IRRITATION, TEARING, OR BLURRING OF  
VOSION. SKIN: POSSIBLE IRRITATION, RASH, DERMATITIS. INHALED: RESPIRATORY  
IRRITATION, NAUSEA, HEADACHE, OR WEAKNESS. INGESTED: G/I IRRITATION,  
VOMITING, CRAM PS AND DIARRHEA. LUNG ASPIRATION MAY OCCUR. ASPIRATION MAY  
LEAD TO CHEMICAL PEUNMONITIS WHICH MAY BE FATAL. SIGNS OF LUNG INVOLVEMENT  
INCLUDE INCREASED RESPIRATORY RATE, INC  
REASED HEART RATE. COUGHING , CHOKING,  
AND GAGGING ARE OFTEN NOTED AT TIME OF ASPIRATION.

Medical Cond Aggravated By Exposure: NO INFORMATION GIVEN BY MFR ON THE MSDS.

First Aid: IF IRRITATION PERSISTS OR IS SEVERE, SEE A DOCTOR. EYE:FLUSH  
W/WATER 15 MIN, HOLD LIDS OPEN.IF MATERIAL HOT TREAT FOR THERMAL BURNS.  
SKIN:WASH WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHING. IF MATE RIAL  
HOT SUBMERGE INJURED AREA IN COLD WATER, SEE A DOCTOR. INHALED:REMOVE TO  
FRESH AIR. AID/RESTORE BREAT  
HING IF NECESSARY. INGESTED:DO NOT INDUCE  
VOMITING. GIVE 2 LARGE GLASSES OF WATER TO DILUTE & GET IMMEDIATE  
MEDICAL CARE. NOTHING BY MOUTH IF UNCONSCIOUS. IF VOMITING OCCURS LOWER HEAD  
BELOW KNEES TO AVOID ASPIRATION.

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Handling and Disposal  
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Spill Release Procedures: TURN OF ANY SOURCE OF IGNITION. EVACUATE AREA AND  
VENTILATE. PERSONNEL WITH PROPER PROTECTIVE EQUIPMENT SHOU  
LD CONTAIN SPILL

IMMEDIATELY WITH INERT MATERIALS SUCH AS SAND EARTH CHEMICAL SPILL PADS BY  
FORMING DIKES TO PREVENT MATERIAL FROM ENTERING SWERES AND WATER WAYS. LARGE  
SPILLS ONCE CONTAINED MAY BE PICKED UP BY VACUUM PUMPS, SHOVEL OR BUCKETS.  
DISPOSE OF IN SUITABLE CONTAINERS.

Neutralizing Agent: NO INFORMATION GIVEN BY MFR ON THE MSDS.

Waste Disposal Methods: ALL DISPOSALS MUST BE I/A/W FEDERAL, STATE & LOCAL  
REGULATIONS. THIS MATERIAL, IF SPILLED OR DISCARDED MAY BE A REGULATE

D WASTE.

IF SPILLED MATERIAL IS CLEANED UP USING A REGULATED SOLVENT, THE RESULTING WASTE MAY BE REGULATED. DOT REGULATION MAY APPLY FOR TRANSPORTING THIS MATERIAL WHEN SPILLED.

Handling And Storage Precautions: DO NOT TRANSFER TO UNMARKED CONTAINERS. STORE IN CLOSED CONTAINERS AWAY FROM HEAT, SPARKS, OPEN FLAME, OR OXIDIZING MATERIALS. EMPTY CONTAINERS RETAIN PRODUCT RESIDUE DO NOT PRESSURIZE, CUT, GLAZE, WELD FOR ANY OTHER PURPOSE. RETURN DRUMS TO RECLAMATION CENTER FOR PROPER CLEANING AND REUSE.

Other Precautions: KEEP FIRE EXTINGUISHERS READILY AVAILABLE. SEE NFPA 30 AND OSHA 1910.106.

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Fire and Explosion Hazard Information  
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Flash Point Method: COC

Flash Point: =242.8C, 469.F

Autoignition Temp Text: N/D

Lower Limits: N/D

Upper Limits: N/D

Extinguishing Media: DRY CHEMICAL,FOAM,WATER FOG OR CARBON DIOXIDE

Fire Fighting Procedures: WATER MAY BE INEFFECTIVE BUT CAN BE USED TO COOL

CONTAINERS EXPOSED TO HEAT OR FLAME. CAUTION SHOULD BE EXERCISED WHEN USING WATER OR FOAM AS FROTHING AND SPLASHING MAY OCCUR.,ESPECIALLY IF SPRAYED INTO CONTAINERS OF HOT,BURNING LIQUID.

Unusual Fire/Explosion Hazard: DENSE SMOKE MAY BE GENERATED.TOXIC FUMES,GASES OR VAPORS MAY EVOLVE DURING BURNING.HEAVY FLAMMABLE VAPORS MAY SETTLE ALONG GROUND LEVEL AND LOW SPOTS TO CREATE AN INVISIBLE FIRE HAZARD. THE VAPORS MAY EXTEND TO SOURCES OF IGNITION AND FLASH BACK

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Control Measures  
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Respiratory Protection: NONE REQUIRED IF AIRBORNE CONCENTRATIONS ARE MAINTAINED BELOW THRESHOLD LIMITS.WEAR MSHA/NIOSH APPROVED (EQUIVALENT)HALF-MASK FORM DUST/MIST AIR PURIFYING RESPIRATOR.

Ventilation: MECHANICAL METHODS=FUME HOODS OR AREA FANS MAY BE USED TO REDUCE LOCALIZED VAPOR/MIST AREAS.

Protective Gloves: IMPERVIOUS GLOVES SUCH AS NEOPRENE OR NITRILE

RUBBER

Eye Protection: SAFETY GLASSES W/SIDE SHIELDS OR VENTED/SPLASH PROOF GOGGLES  
Other Protective Equipment: APRON AND OVERBOOTS OF CHEMICALLY IMPERVIOUS MATERIALS NEOPRENE OR NITRILE RUBBER;IF HANDLING HOT MATERIAL USE INSULATED PROTECTIVE EQUIPMENT. EYE WASH STATIONS AND SHOWERS SHOULD BE AVAILABLE.  
Work Hygienic Practices: LAUNDER SOILED CLOTHES.PROPERLY DISPOSE OF CONTAMINATED LEATHER ARTICLES AND OTHER MATERIALS WHICH CANNOT BE DECONTAMINATED.CONSUMPTION OF FOOD AND DRINK SHOULD BE AVOIDED IN WORK AREAS.  
WASH HANDS/FACE

Supplemental Safety and Health: KEY2:KT

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Physical/Chemical Properties  
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HCC: V6  
NRC/State LIC No: NONE  
Boiling Point: >260.C, 500.F  
B.P. Text: NOT DETERMINED EXPECT>260  
M.P/F.P Text: UNKNOWN  
Decomp Text: UNKNOWN  
Vapor Pres: 25C@1ATM NEGLIGIBLE  
Vapor Density: >1AT STP  
Spec Gravity: 0.888@15C  
Viscosity: 10.3CST@100C  
Evaporation Rate & p; Reference: NEG@STP BUTYL ACETATE=1  
Solubility in Water: NEGLIGIBLE.  
Appearance and Odor: DARK BROWN CLEAR FLUID. MILD PETROLEUM HYDROCARBON ODOR.  
Percent Volatiles by Volume: NIL  
Corrosion Rate: UNKNOWN

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Reactivity Data  
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Stability Indicator: YES  
Stability Condition To Avoid: AVOID HIGH TEMPERATURES AND PRODUCT CONTAMINATION  
Materials To Avoid: AVOID CONTACT WITH ACIDS AND OXIDIZING MATERIALS.  
Hazardous Decomposition Products: SMOKE,CARBON MONOXIDE, DIOXIDE, AND OTHER ALDEHYDES OF INCOMPLETE COMBUSTION (C,ZN,CA,P AND S) HYDROGEN SULFIDE AND ALKYL MERCAPTANS AND OTHER SULFIDES MAY BE RELEASED  
Hazardous Polymerization Indicator: NO  
Conditions To Avoid Polymerization: WILL NOT OCCUR

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Toxicological Information  
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Toxicological Information: THIS PRODUCT CONTAIN PETROLU

M BASE OILS WHICH MAY BE  
REFINED BY VARIOUS PROCESSES INCLUDING SEVERE SOLVENT EXTRACTION, SEVERE  
HYDROCRACKING, OR SEVERE HYDROTREATING. NONE OF THE OILS REQUIRE A CANCER W  
ARNING UNDER OSHA. THESE OILS HAVE NOT BEEN CLASSIFIED BY NTP, NOR HAVE THEY  
BEEN CLASSIFIED BY IARC AS CARCINOGENIC TO HUMANS.

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Ecological Information  
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Ecological: THIS MATERIAL MAY BE TOXIC TO AQUATIC ORGANI  
ZMS AND SHOULD BE KEPT  
OUT OF SEWAGE AND DRAINAGE SYSTEMS AND ALL BODIES OF WATER.

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MSDS Transport Information  
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Transport Information: DOES NOT APPLY TO BULK OIL SHIPPING NOR DOES IT APPLY TO  
NON-BULK OIL SHIPPING.

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Regulatory Information  
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Sara Title III Information: ACUTE(  
IMMEDIATE HEALTH EFFECT):YES. CHRONIC: NO.

FIRE:NO. REACTIVITY:NO. PRESSURE( SUDDEN RELEASE HAZARD):NO. SECTION 313  
TOXIC CHEMICALS: ZINC &lt; 0.10%

Federal Regulatory Information: UNDER SECTION 311 OF THE CLEAN WATER ACT AND  
THE OIL POLLUTIN CONTROL ACT OF 1990. THIS MATERIAL IS CONSIDERED AIL OIL.  
ANY SPILLS OR DISCHARGES THAT PRODUCE A VISIBLE SHEEN OR FILM ON SURFACE OF  
WATE R, OR IN WATERWAYS, DITCHES OR SEWERS LEADING TO SURFACE WATER MUST BE  
REPORTED. CONTACT THE NATIONAL RES  
PONCE CENTER AT 800-424-8802

State Regulatory Information: RECOMMEND CONTACTING THE LOCAL AUTHORITIES IN THE  
EVENT OF ANY TYPE OF SPILL TO DETERMINE LOCAL REPORTING REQUIREMENTS AND ALSO  
TO AID IN THE CLEAN UP.

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Other Information  
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Transportation Information  
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Responsible Pa  
rty Cage: 3K676  
Trans ID NO: 148213  
Product ID: GARDFLEET SAE 30 MIL-L-2104F  
MSDS Prepared Date: 04/19/1999  
Review Date: 09/13/1999  
MFN: 2  
Multiple KIT Number: 0  
Unit Of Issue: QT  
Container QTY: G  
Type Of Container: CAN

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Detail DOT Information  
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DOT PSN Code: ZZZ  
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION  
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Detail IMO Information

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IMO PSN Code: ZZZ  
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION  
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Detail IATA Information

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IATA PSN Code: ZZZ  
IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION  
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Detail AFI Information

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AFI PSN Code: ZZZ  
AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION  
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HAZCOM Label

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Product ID: GARDFLEET SAE 30 MIL-L-2104F  
Cage: 3K676  
Company Name: UNIMARK OIL COMPANY (FORMERLY GARD OIL)  
Street: 2727 ROE LANE  
City: KANSAS CITY KS  
Zipcode: 66103-1543  
Health Emergency Phone: 913-236-5000, CHEMTREC 800-424-9300  
Label Required IND:  
Y  
Date Of Label Review: 09/13/1999  
Status Code: A  
Origination Code: F  
Signal Word: CAUTION  
Health Hazard: Slight  
Contact Hazard: Slight  
Fire Hazard: Slight  
Reactivity Hazard: None  
Hazard And Precautions: EYE CONTACT: MAY CAUSE MILD EYE DISCOMFORT, TESRING, OR  
BLEARING OF VISION. SKIN: REPEATED CONTACT MAY LEAD TO AN ALLERGIC SKIN  
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