

MSDS Safety Information

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  
Info Phone Number: 913-236-5000  
Emergency Phone Number: 913-236-5  
000, CHEMTREC 800-424-9300

Item Description Information

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

Ingredients

Name: \*\*\* PROPRIETARY \*\*\*

Health Hazards Data

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: REPEATED CONTACT MAY LEAD TO AN ALLERGIC SKIN  
SENEITIZATION. INHAL

ATION: 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 THE  
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, INCREASED HEART RATE. COUGHING , CHOKING,  
AND GAGGING ARE OFTEN N  
OTED 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 BREATHING IF NECESSARY. INGESTED:DO NOT INDUCE  
VOMITING. GIVE 2 LAR  
GE GLASSES OF WATER TO DILUTE & GET IMMEDIATE  
MEDICAL CARE. NOTHING BY MOUTH IF UNCONSCIOUS. IF VOMITING OCCURS LOWER HEAD  
BELOW KNEES TO AVOID ASPIRATION.

=====  
Handling and Disposal

=====  
Spill Release Procedures: TURN OF ANY SOURCE OF IGNITION. EVACUATE AREA AND  
VENTILATE. PERSONNEL WITH PROPER PROTECTIVE EQUIPMENT SHOULD 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 REGULATED WASTE.  
IF SPILLED MATERIAL IS CLEANED UP USING A REGULATED S

OLVENT, THE RESULT ING  
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 CONATINERS RETAIN PRODUCT RESIDUE DO NOT PRESSURIZE, CUT,  
GLAZE, WEL D FOR ANY OTHER PURPOSE. RETURN DRUMS TO RECLAMATION CENTER FOR  
PROPER CLEANING AND REUSE.

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

=====

#### Fire and Explosion Hazard Information

=====

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. CA

UTION SHOULD BE EXERCISED WHEN USING

WATER OR FOAM AS FROTHING AND SPLASHING MAY OCCUR.,ESPECIALLY IF SPRAYED IN  
TO 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.

=====

#### Contr ol Measures

=====

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

## Physical/Chemical Properties

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 & Reference: NEG@STP BUTYL ACETATE=1

Solubility in Water: NEGLI

GIBLE.

Appearance and Odor: DARK BROWN CLEAR FLUID. MILD PETROLEUM HYDROCARBON ODOR.

Percent Volatiles by Volume: NIL

Corrosion Rate: UNKNOWN

## Reactivity Data

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 MONOXID

E, 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

## Toxicological Information

Toxicological Information: THIS PRODUCT CONTAIN PETROLUM BASE OILS WHICH MAY BE REFINED BY VARIOUS PROCESSES INCLUDIN

G SEVERE SOLVENT EXTRACTION, SEVERE HYDROCRACKING, OR SEVERE HYDROTREATING. NONE OF THE OILS REQUIRE A CANCER WARNING UNDER OSHA. THESE OILS HAVE NOT BEEN CLASSIFIED BY NTP, NOR HAVE THEY BEEN CLASSIFIED BY IARC AS CARCINOGENIC TO HUMANS.

=====

Ecological Information

=====

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

=====

MSDS Transport Information

=====

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

=====

Regulatory Information

=====

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 POLLUTANT CONTROL ACT OF 1990. THIS MATERIAL IS CONSIDERED AIL OIL. ANY SPILLS OR DISCHARGES THAT PRODUCE A VISIBLE SHEEN OR FILM ON SURFACE OF WATER, OR IN WATERWAYS, DITCHES OR SEWERS LEADING TO SURFACE WATER MUST BE REPORTED. CONTACT THE NATIONAL RESPONSE 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.

=====

Other Information

=====

=====

Transportation Information

=====

Responsible Party Code: 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

=====  
Detail DOT Information  
=====

DOT PSN Code: ZZZ  
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION  
=====

Detail IMO Information  
=====

=====  
IMO PSN Code: ZZZ  
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION  
=====

Detail IATA Information  
=====

IATA PSN Code: ZZZ  
IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION  
=====

Detail AFI Information  
=====

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

HAZCOM Label  
=====

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 Co

de: 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 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.

=====

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever expressly or implied warrants, states, or intends said information to have any application, use or viability by or to any person or persons outside the Department of Defense nor any person or persons contracting with any instrumentality of the United States of America and disclaims all liability for such use. Any person utilizing this instruction who is not a military or civilian employee of the United States of America should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation regardless of similarity to a corresponding Department of Defense or other government situation.