

GARD CORPORATION -- GARD ANTI RUST SAE 15W-40

=====
MSDS Safety Information
=====

FSC: 9150
NIIN: 01-293-2772
MSDS Date: 06/30/2000
MSDS Num: CKXHN
Product ID: GARD ANTI RUST SAE 15W-40
MFN: 03
Responsible Party
Cage: 3K676
Name: GARD CORPORATION
Address: 2840 ROE LANE
City: KANSAS CITY KS 66103-154
3
Info Phone Number: 913-236-5000; FX 913-432-8309
Emergency Phone Number: 913-236-5000

=====
Item Description Information
=====

Item Manager: S9G
Item Name: LUBRICATING OIL,ENGINE
Specification Number: MIL-L-21260
Type/Grade/Class: 15-40 GRADE
Unit of Issue: DR
Quantitative Expression: 00000000055GL
UI Container Qty: 1
Type of Container: STEEL DRUM

=====
Ingredients
=====

Name: *** PROPRIETARY ***

=====

=====
Health Hazards Data
=====

LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.
Route Of Entry Inds - Inhalation: YES
Skin: NO
Ingestion: NO
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO
Effects of Exposure: EYE: CAN CAUSE MILD EYE IRRITATION WITH DISCOMFORT

. SKIN:
MAY CAUSE SKIN IRRITATION. PROLONGED / REPEATED CONTACT MAY RESULT IN
DERMATITIS. INHALATION: OVEREXPOSURE OF HOT MATERIAL MAY CAUSE NONSPECIFIC
DISCOMFORT. INGESTION: DUE TO THE EXPECTED CONCENTRATION OF OIL (70-100%)
INGESTION IS EXPECTED TO BE RELATIVELY NON-TOXIC UNLESS LUNG ASPIRATION
OCCURS. ASPIRATION MAY LEAD TO CHEMICAL PNEUMONITIS WHICH IS CHARACTERIZED
BY PULMONARY EDEMA & HEMORRHAGE & MAY BE FATAL. GASTROINTESTINAL
DISCOMFORT MAY DEVELOP, FOLLOWED BY V
OMITING WITH A FURTHER RISK OF
ASPIRATION.

Explanation Of Carcinogenicity: NO INGREDIENT OF A CONCENTRATION OF 0.1% OR
GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.

Signs And Symptoms Of Overexposure: INHALED-NAUSEA, HEADACHE, WEAKNESS.
EYES-DISCOMFORT, TEARING, BLURRING OF VISION. SKIN-IRRITATION, DRYNESS,
CHAPPING, REDDENING. INGESTED (ASPIRATION)-INCREASED RESPIRATORY RATE,
INCREASED HEART RATE, BLUISH DISCOLORATION OF SKIN, COUGHING, CHOKING,
GAGGING, CRAMPS, DIARR

HEA.
Medical Cond Aggravated By Exposure: NONE SPECIFIED BY MANUFACTURER.

First Aid: EYE: IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF WATER AND CONTINUE
FLUSHING UNTIL IRRITATION SUBSIDES. IF IRRITATION PERSISTS CALL PHYSICIAN. IF
MATERIAL IS HOT, TREAT FOR THERMAL BURNS AND TAKE VICTIM TO HOSPITAL
IMMEDIATELY. SKIN: REMOVE CONTAMINATED CLOTHING. WASH CONTAMINATED AREA WITH
SOAP AND WATER. IF REDNESS OR IRRITATION OCCURS, SEEK MEDICAL ATTENTION. IF
MATERIAL IS HOT, SUBMERGE INJURED
AREA IN COLD WATER. IF VICTIM IS SEVERELY
BURNED, REMOVE TO HOSPITAL IMMEDIATELY. INHALATION: IF OVERCOME BY HOT
VAPORS, REMOVE TO FRESH AIR. USE OXYGEN IF THERE IS DIFFICULTY BREATHING OR
ARTIFICIAL RESPIRATION IF BREATHING HAS (SUPP)

=====
Handling and Disposal
=====

Spill Release Procedures: ELIMINATE ALL SOURCES OF IGNITION. EVACUATE AREA AND
VENTILATE. WEAR PROPER PERSONAL PROTECTIVE
EQUIPMENT. CONTAIN SPILL WITH
INERT MATERIALS (SAND, EARTH, CHEMICAL SPILL PADS OF COTTON) BY FORMING DI
KES. PICK-UP USING EXPLOSION-PROOF/NON-SPARKING VACUUM PUMPS, SHOVELS, OR
BUCKETS. PLACE IN A CONTAINER FOR LATER DISPOSAL.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods: ALL DISPOSALS MUST COMPLY WITH FEDERAL, STATE AND LOCAL
REGULATIONS. THE MATERIAL, IF SPILLED OR DISCARDED MAY BE A REGULATED WASTE.
REFER TO LOCAL AND STATE REGULATIONS.

Handling And

Storage Precautions: STORE IN A COOL, DRY PLACE AWAY FROM HEAT, SPARKS, OPEN FLAME OR OXIDIZING MATERIALS. KEEP CONTAINERS CLOSED WHEN NOT IN USE.

Other Precautions: DO NOT TRANSFER TO UNMARKED CONTAINERS. FIRE EXTINGUISHERS SHOULD BE KEPT READILY AVAILABLE. EMPTY CONTAINERS RETAIN PRODUCT RESIDUE WHICH MAY EXHIBIT HAZARDS OF MATERIAL. DO NOT PRESSURIZE, CUT, WELD, GLAZE, OR USE FOR ANY OTHER PURPOSE. RETURN DRUMS TO RECLAMATION CENTERS FOR PROPER CLEANING AND REUSE.

=====

=====

Fire and Explosion Hazard Information

=====

Flash Point Method: COC

Flash Point: =220.C, 428.F

Autoignition Temp Text: N/D

Lower Limits: N/D

Upper Limits: N/D

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

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, FROTHING M

AY OCCUR ESPECIALLY IF SPRAYED INTO CONTAINERS OF HOT BURNING LIQUID.

Unusual Fire/Explosion Hazard: DENSE SMOKE MAY BE GENERATED WHILE BURNING.

TOXIC FUMES, GASES OR VAPORS MAY EVOLVE ON BURNING. HEAVY, FLAMMABLE VAPORS MAY SETTLE ALONG GROUND LEVEL AND LOW SPOTS TO CREATE INVISIBLE FIRE HAZARD. THE VAPORS MAY EXTEND TO SOURCES OF IGNITION AND FLASH BACK.

=====

Control Measures

=====

R

Respiratory Protection: NONE NORMALLY REQUIRED. IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE OR AN EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED (OR EQUIVALENT) HALF-MASK FORM DUST/MIST AIR PURIFYING RESPIRATOR.

Ventilation: USE ADEQUATE MECHANICAL VENTILATION OR LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves: IMPERVIOUS GLOVES (NEOPRENE, NITRILE).

Eye Protection: SAFETY GLASSES WITH SIDE SHIELDS OR VENTED/SPLASH PROOF GOGGLES.

Other Protective Equipment: APRON, OVE

RBOOTS OF CHEMICALLY IMPERVIOUS MATERIAL.

IF HANDLING HOT MATERIAL-INSULATED PROTECTIVE EQUIPMENT. EYE WASH STATION & SAFETY SHOWER.

Work Hygienic Practices: WASH HANDS AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRY CONTAMINATED CLOTHES BEFORE REUSE. EYEWASH STATIONS AND SHOWERS.

Supplemental Safety and Health: DO NOT EAT, DRINK, OR SMOKE IN WORK AREA.

FIRST AID (CONT.)- STOPPED. SEEK IMMEDIATE MEDICAL ATT'N AS NEEDED. ORAL: DO NOT INDUCE VOMITING. IMMEDIATELY GIVE 2 GLASSES OF WATER, IF CONSCIOUS. IF VOMITING OCCURS, LOWER HEAD BELOW NECKS. SEEK MEDICAL ATT'N.

=====
Physical/Chemical Properties
=====

HCC: V6

Boiling Point: >260.C, 500.F

Melt/Freeze Pt: =-27.C, -16.6F

Decomp Text: UNKNOWN

Vapor Pres: NEGLIGIBLE

Vapor Density: >1 @ STP

Spec Gravity: 0.89 @ 15.6C

Viscosity: 14.2 CST @100C

Evaporation Rate & Reference: NEGLIGIBLE (NBUAC=1)

Solubility

ty in Water: NEGLIGIBLE

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 STRONG OXIDIZING AGENTS.

Hazardous Decomposition Products:

SMOKE, CARBON MONOXIDE AND CARBON DIOXIDE, ALDEHYDES, OXIDES OF ZINC, CALCIUM, PHOSPHOROUS, AND SULFUR, 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: INHALATION TOXICITY: ON RARE OCCASIONS, PROLONGED &

; REPEATED EXPOSURE TO OIL MIST POSES A RISK OF PULMONARY DISEASE SUCH AS CHRONIC LUNG INFLAMMATION. THIS CONDITION IS USUALLY ASYMPTOTIC AS A RESULT OF REPEATED SMALL ASPIRATIONS. SHORTNESS OF BREATH & COUGH ARE THE MOST COMMON SYMPTOMS. BASED ON DATA FROM SIMILAR MATERIALS. DERMAL SENSITIZATION: PROLONGED OR REPEATED CONTACT MAY MAKE SKIN MORE SENSITIVE TO OTHER SKIN SENSITIZERS. BASED ON DATA FROM SIMILAR MATERIALS. MUTAGENICITY: THIS PRODUCT CONTAINS ZINC ALKYL DITHIOPHOSPHATE (ZDP). SEVERAL ZDP'S HAVE BEEN REPORTED TO HAVE WEAK MUTAGENIC ACTIVITY.

=====
Ecological Information
=====

Ecological: ENVIRONMENTAL TOXICITY: THIS MATERIAL MAY BE TOXIC TO AQUATIC ORGANISMS AND SHOULD BE KEPT OUT OF SEWAGE AND DRAINAGE SYSTEMS AND ALL BODIES OF WATER. ENVIRONMENTAL FATE: NO DATA AVAILABLE.

=====
MSDS Transport Information
=====

Transport Information: U.S. DOT BULK AND NON-BULK SHIPPING DESCRIPTION: DOES NOT APPLY TO OIL SHIPPING.

=====
Regulatory Information
=====

Sara Title III Information: SECTION 302/304 EXTREMELY HAZARDOUS SUBSTANCES: NONE. SECTION 311, 312 HAZARD CATEGORIZATION- ACUTE (IMMEDIATE HEALTH EFFECTS): YES. CHRONIC (DELAYED HEALTH EFFECTS): NO. FIRE (HAZARD): NO. REACTIVITY (HAZARD): NO. PRESSURE (SUDDEN RELEASE HAZARD): NO. SECTION 313 TOXIC CHEMICALS: ZINC <0.20%.

Federal Regulatory Information: CLEAN WATER ACT/OIL POLLUTION ACT: UNDER SECTION 311 OF THE CLEAN WATER ACT (40 CFR 110) & THE OIL POLLUTION CONTROL ACT OF 1990, THIS MATERIAL IS CONSIDERED AN 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. TSCA: ALL COMPONENTS OF THIS MATERIAL ARE LISTED IN THE U.S. TSCA INVENTORY. CERCLA: RECOMMEND CONTACTING THE LOCAL AUTHORITIES IN THE EVENT OF ANY TYPE OF SPILL TO DETERMINE LOCAL REPORTING REQUIREMENTS AND ALSO TO AID IN THE CLEANUP.

=====
Other Information
=====

Other Information: WARNING. MAY CAUSE EYE IRRIT

ATION. MAY CAUSE SKIN
IRRITATION. HOT VAPORS MAY CAUSE RESPIRATORY IRRITATION.

=====
Transportation Information
=====

Responsible Party Cage: 3K676
Trans ID NO: 155739
Product ID: GARD ANTI RUST SAE 15W-40
MSDS Prepared Date: 06/30/2000
Review Date: 01/04/2001
MFN: 3
Multiple KIT Number: 0
Unit Of Issue: DR
Container QTY: 1
Type Of Container: STEEL DRUM
=====

=====
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

: GARD ANTI RUST SAE 15W-40
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
Label Required IND: Y
Date Of Label Review: 01/04/2001

Status Code: A
Origination Code: F
Eye Protection IND: YES
Skin Protection IND: YES
Signal Word: CAUTION
Respiratory Protection IND: YES
Health Hazard: Slight
Contact Hazard: Slight
Fire Hazard: Slight
Reactivity Hazard: None
Hazard And Precautions: T

ARGET ORGANS: N/P. EYE: CAN CAUSE MILD EYE IRRITATION WITH DISCOMFORT. SKIN: MAY CAUSE SKIN IRRITATION. PROLONGED / REPEATED CONTACT MAY RESULT IN DERMITITIS. INHALATION: OVEREXPOSURE OF HOT MATERIAL MAY CAUSE NONSPECIFIC DISCOMFORT. INGESTION: DUE TO THE EXPECTED CONCENTRATION OF OIL (70-100%) INGESTION IS EXPECTED TO BE RELATIVELY NON-TOXIC UNLESS LUNG ASPIRATION OCCURS. ASPIRATION MAY LEAD TO CHEMICAL PNEUMONITIS WHICH IS CHARACTERIZED BY PULMONARY EDEMA & HEMORRHAGE & MAY BE FATAL. GASTROINTESTINAL DISCOMFORT MAY DEVELOP, FOLLOWED BY VOMITING WITH A FURTHER RISK OF ASPIRATION.

=====
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 co

responding Department
of Defense or other government situation.