

UNIMARK OIL LLC -- GARD ANTI RUST SAE 30

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MSDS Safety Information
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FSC: 9150
NIIN: 00-111-0209
MSDS Date: 06/30/2000
MSDS Num: CLBRY
Product ID: GARD ANTI RUST SAE 30
MFN: 01
Responsible Party
Cage: 1RU67
Name: UNIMARK OIL CO LLC
Address: 2727 ROE LANE
City: KANSAS CITY KS 66103-1543
Info Phone Number: 913-236-5000 FAX/913-432-8309
Emergency Phone Number: 800-451-8346

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Item Description Information
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Item Manager: S9G
Item Name: LUBRICATING OIL,ENGINE
Specification Number: MIL-L-21260
Type/Grade/Class: 11 TYPE,30 GRADE
Unit of Issue: CN
Quantitative Expression: 00000000005GL
UI Container Qty: 1
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: ORAL TOXICITY:NOT DETERMINED.
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO
Effects of Exposure: EYE CONTACT: CAN CAUSE MILD IRRITATION. SKIN CONTACT: MAY
CAUSE IRRITATION. PROLONGED OR REPEATED CONTACT MAY RESULT

T IN DERMATITIS.

INHALATION: OVEREXPOSURE OF HOT MATERIAL MAY CAUSE NONSPECIFIC DISCOMFORT.

INGESTION: DO NOT INGEST. DUE TO CONCENTRATION OF OIL (70-100%) INGESTION IS EXPECTED TO BE RELATIVELY NON-TOXIC UNLESS LUNG ASPIRATION OCCURS WHICH MAY LEAD TO CHEMICAL PNEUMONITIS; CHARACTERIZED BY PULMONARY EDEMA AND

HEMORRHAGE AND MAY BE FATAL. GASTROINTESTINAL DISCOMFORT MAY DEVELOP, FOLLOWED

BY VOMITING WITH A FURTHER RISK OF ASPIRATION.. THIS PRODUCT HAS LAXATIVE PROPERTIES AND MAY R

RESULT IN ABDOMINAL CRAMPS AND DIARRHEA.

Explanation Of Carcinogenicity: CARCINOGENICITY: NOT DETERMINED. NONE OF THE

OILS IN THIS PRODUCT REQUIRE A CANCER WARNING UNDER OSHA (29 CFR 1910.1200).

THESE OILS HAVE NOT BEEN LISTED IN NATIONAL TOXICOLOGY PROGRAM (NTP) ANNUAL

REPORT NOR CLASSIFIED BY IARC AS: CARCINOGENIC TO HUMANS (GROUP 1), PROBABLY

CARCINOGENIC TO HUMANS (GROUP 2A), OR POSSIBLY CARCINOGENIC TO HUMANS (GROUP 2B).

Signs And Symptoms Of Overexposure: EYE CONTACT; MILD IRRI

TATION, DISCOMFORT,

TEARING, BLURRED VISION. SKIN CONTACT: IRRITATION, DERMATITIS, DRYNESS,

CHAPPING, REDDENING. INHALATION: NAUSEA, HEADACHE, WEAKNESS. INGESTION:

RELATIVELY NON -TOXIC. ASPIRATION: MAY LEAD TO CHEMICAL PNEUMONITIS,

PULMONARY EDEMA, HEMORRHAGE, MAY BE FATAL; SIGNS OF LUNG INVOLVMENT INCLUDE

INCREASED RESPIRATORY RATE, INCREASED HEART RATE, BLUISH DICOLORATION OF

SKIN, COUGHING, CHOKING, GAGGING. GASTROINTESTINAL DISCOMFORT FOLLOWED BY

VOMITING. PRODUCT HAS LAXATI

VE PROPERTIES AND MAY RESULT IN ABDOMINAL CRAMPS

AND DIARRHEA.

Medical Cond Aggravated By Exposure: NONE SPECIFIED BY MANUFACTURER.

First Aid: EYE CONTACT: FLUSH WITH LARGE AMOUNTS OF WATER. CONTINUE FLUSHING

UNTIL IRRITATION SUBSIDES. IF IRRITATION PERSISTS CALL DOCTOR. IF MATERIAL IS

HOT TREAT FOR THERMAL BURNS; TAKE TO HOSPITAL. SKIN: REMOVE CONTAMATED

CLOTHING. WASH EXPOSED SKIN WITH SOAP AND WATER. IF REDNESS OR IRRITATION

OCCURS GET MEDICAL ATTENTION. IF MATERIAL IS HOT SUBMERG

E EXPOSED AREA IN

COLD WATER. IF SEVERELY BURNED, TAKE TO HOSPITAL. INHALATION: MOVE TO FRESH

AIR. IF DIFFICULT BREATHING, GIVE OXYGEN. IF BREATHING STOPPED, GIVE

ARTIFICIAL RESPIRATION. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE

VOMITING. (CONTD. SEE "OTHER INFORMATION")

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Handling and Disposal

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Spill Release Procedures: TURN OFF IGNITION SOURCES. VENTILATE. PERSONNEL

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ARNING PROTECTIVE EQUIPMENT SHOULD CONTAIN SPILL WITH INERT MATERIALS BY FORMING DIKES THAT PREVENTS ENTERING SEWERS AND WATERWAYS. PICK UP LARGE SPILL WITH EXPLOSION-PROOF, NON-SPARKING VACUUM PUMPS, SHOVELS, BUCKETS AND DEPOSIT IN DISPOSAL CONTAINERS. REMOVE WATER SPILLS BY SKIMMING SURFACE OR WITH ADSORBENTS. NOTIFY AUTHORITIES OF LARGE SPILLS.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods: PLACE USED, CONTAMINATED, OR EXCESS MATERIAL INTO DISPOSABLE CON

TAINERS AND DISPOSE OF IN A MANNER CONSISTENT WITH LOCAL AND STATE REGULATIONS. CONTACT LOCAL ENVIRONMENTAL OR HEALTH AUTHORITIES FOR APPROVED DISPOSAL . MOST USED OIL IS RECLAIMED OR INCINERATED. UNDER RCRA IT IS THE RESPONSIBILITY OF THE USER TO DETERMINE (CONTD. SEE "ECOLOGICAL")

Handling And Storage Precautions: KEEP CONTAINERS CLOSED WHEN NOT IN USE. DO NOT TRANSFER TO UNMARKED CONTAINERS. FIRE EXTINGUISHERS SHOULD BE KEPT READILY AVAILABLE. EMPTY CONTAINERS RETAIN PRODUCT RES

IDUE WHICH MAY EXHIBIT

HAZARDS OF MATERIAL, DO NOT PRESSURIZE, CUT, GLAZE, WELD, OR USE FOR ANY OTHER PURPOSE.

Other Precautions: RETURN DRUMS TO RECLAMATION CENTERS FOR PROPER CLEANING AND REUSE. STORE CONTAINERS AWAY FROM HEAT, SPARKS, OPEN FLAMES, OR OXIDIZING MATERIALS.

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Fire and Explosion Hazard Information

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Flash Point Method: COC

Flash Point: =220.C, 428.F

Autoignition T

emp Text: N/DETR

Lower Limits: NOT DETERMIN

Upper Limits: NOT DETERMIN

Extinguishing Media: USE 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 MAY OCCUR, ESPECIALLY IF SPRAYED INTO HOT, BURNING LIQUID.

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

TOXIC FUMES/GAS/VAPOR MAY EVOLVE

ON BURNING. HEAVY FLAMMABLE VAPORS MAY

SETTLE ALONG GROUND LEVEL AND LOW SPOTS TO CREATE INVISIBLE FIRE HAZARD.

VAPORS MAY EXTEND TO SOURCES OF IGNITION AND FLASH BACK. CARE SHOULD ALWAYS BE EXERCISED IN DUST/MIST AREAS.

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Control Measures

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Respiratory Protection: NONE REQUIRED IF AIRBORNE CONCENTRATIONS ARE MAINTAINED BELOW TLV. OTHERWISE RESPIRATORY PROTECTION PROGRAM MEETING

OSHA 1910.134

AND ANSI Z88.2 REQUIREMENTS MUST BE FOLLOWED. IF MISTING OCCURS WEAR MSHA/NIOSH APPROVED (OR EQUIVALENT) HALF-MASK FORM DUST/MIST AIR PURIFYING RESPIRATOR.

Ventilation: USE ADEQUATE VENTILATION WHEN WORKING WITH MATERIAL IN ENCLOSED AREA. MECHANICAL METHODS SUCH AS FUME HOODS OR AREA FANS MAY BE USED (CONTD. SEE "SUPPLEMENTAL")

Protective Gloves: NEOPRENE, NITRILE RUBBER (IMPERVIOUS).

Eye Protection: ALWAYS RECOMMENDED;SAFETY GLASSES WITH SIDE SHIELDS OR VENTED SPLSH GOGGLES

Other Protective Equipment: APRON, OVERBOOTS OF IMPERVIOUS MATERIALS (NEOPRENE OR NITRILE RUBBER) RECOMMENDED. USE INSULATED EQUIPMENT FOR HANDLING HOT MATERIAL. PROVIDE EYEWASH STATIONS AND SHOWERS IN WORK OR STORAGE AREAS.

Work Hygienic Practices: CONSUMPTION OF FOOD AND DRINK SHOULD BE AVOIDED IN WORK AREAS WHERE PRODUCT IS PRESENT. ALWAYS WASH HANDS AND FACE WITH SOAP AND

WATER BEFORE EATING, DRINKING, OR SMOKING. LAUNDRER CONTAMINATED CLOTHING.

Supplemental Safety and Health

h: (CONTD. FROM "VENTILATION") TO REDUCE LOCALIZED VAPOR/MIST AREAS. IF VAPOR OR MIST IS GENERATED WHEN THE MATERIAL IS HEATED OR HANDLED, ADEQUATE VENTILATION IN ACCORDANCE WITH GOOD ENGINEERING PRACTICE MUST BE PROVIDED TO MAINTAIN CONCENTRATIONS BELOW THE SPECIFIED EXPOSURE.

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Physical/Chemical Properties
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HCC: V6

Boiling Point: >260.C, 500.F

B.P. Text: ESTMATED

Melt/Freeze

Pt: =-17.6C, 0.F

M.P/F.P Text: POUR POINT

Vapor Pres: NEGLIGIBLE AT 25C, 1 ATM.

Vapor Density: >1@STP

Spec Gravity: 0.89 @15.6C (7.45 LB/GAL)

Viscosity: 11.50CST@100C

Evaporation Rate & Reference: NEGLIGIBLE, (N-BUAC =1)

Solubility in Water: NEGLIGIBLE.

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

Percent Volatiles by Volume: NEGLIGIBLE
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Reactivity Data
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Stability Indicator: YES

Stability Condition To Avoid: MATERIAL IS STABLE AT ROOM TEMPERATURE AND PRESSURE. AVOID HIGH TEMPERATURES AND PRODUCT CONTAMINATION.

Materials To Avoid: AVOID CONTACT WITH ACIDS AND OXIDIZING MATERIALS.

Hazardous Decomposition Products: SMOKE, CARBON MONOXIDE, CARBON DIOXIDE, OTHER ALDEHYDE OF INCOMPLETE COMBUSTION. OXIDES OF C, ZN, CA, P, S. HYDROGEN SULFIDE, ALKYL MERCAPTANS AND OTHER SULFIDES.

Hazardous Polymerization Indicator: NO

Conditions To Avoid

Polymerization: WILL NOT OCCUR.

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Toxicological Information

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Toxicological Information: ORAL, DERMAL TOXICITY : NOT DETERMINED. INHALATION: ON RARE OCCASIONS, PROLONGED AND 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 AND COUGH ARE COMMON SYMPTOMS. DERMAL SENSITIZATION: PROLONGED OR REPEATED CONTACT MAY MAKE SKIN MORE SENSITIVE TO OTHER SENSITIZERS. CHRONIC TOXICITY, CARCINOGENICITY, REPRODUCTIVE TOXICITY, TERATOGENICITY: NOT DETERMINED. MUTAGENICITY: PRODUCT CONTAINS ZINC ALKYL DITHIOPHOSPHATES (ZDP) (CONTD. SEE "STATE REG.")

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Ecological Information

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Ecological: ENVIRONMENTAL TOXICITY: THIS MATERIAL MAY BE TOXIC TO AQUATIC ORGANISM AND SHOULD BE KEPT OUT OF SEWAGE AND DRAINAGE SYSTEMS AND ALL BODIES OF WATER. ENVIRONMENTAL FATE: NO DATA AVAILABLE. (CONTD. FROM "WASTE DISPOSAL") AT TIME OF DISPOSAL WHETHER PRODUCT MEETS RCRA CRITERIA FOR HAZARDOUS WASTE. WASTE MANAGEMENT SHOULD BE IN COMPLIANCE WITH FEDERAL, STATE, AND LOCAL LAWS.

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MSDS Transport Information

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Regulatory Information

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

State Regulatory Information: (CONTD>

; FROM "TOXICOLOGICAL") SEVERAL ZDPS
HAVE BEEN REPORTED TO HAVE WEAK MUTAGENIC ACTIVITY IN CULTURED MAMMALIAN
CELLS BUT ONLY IN CONCENTRATIONS THAT WERE TOXIC TO THE TEST CELLS.
MANUFACTURER DOES NOT BELIEVE THERE IS ANY MUTAGENIC RISK TO WORKERS EXPOSED
TO THIS PRODUCT'S CONCENTRATION LEVEL OF ZDP.

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Other Information
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Other Information: NFPA 704: HEALTH: 1(SLIGHT); FIRE: 1 (SLIGHT); REACTIVITY: 0
(MINIMAL); SPECIFIC HAZARD: NONE; PROTECTIVE INDEX: N/A. NPCA-: HEALTH: 1
(SLIGHT); FIRE: 1 (SLIGHT); REACTIVITY: 0 (MINIMAL); SPECIFIC HAZARD: N/A;
PROTECTIVE INDEX: B. PRECAUTIONARY LABELS: WARNING! MAY CAUSE EYE IRRITATION;
MAY CAUSE SKIN IRRITATION; HOT VAPORS MAY CAUSE RESPIRATORY IRRITATION.
(CONTD. FROM "FIRST AID") GIVE TWO GLASSES OF WATER. NEVER GIVE ANYTHING BY
MOUTH TO AN UNCONSCIOUS PERSON. IF VOMITING OCCURS, LOWER HEAD BELOW KNEES TO
AVOID ASPIRATION. SEEK MEDICAL ATTENTION.

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Transportation Information
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Responsible Party Code: 1RU67
Trans ID NO: 156646
Product ID: GARD ANTI RUST SAE 30
MSDS Prepared Date: 06/30/2000
Review Date: 04/16/2001
MFN: 1
Net Unit Weight: 37.2 LBS
Multiple KIT Number: 0
Unit Of Issue: CN
Container QTY: 1
Type Of Container: CAN
Additional Data: TRANSPORTATION DATA PER MANUFACTURER'S MSDS.

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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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Det

ail 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: GARD ANTI RUST SAE 30

Cage: 1RU67

Company Name: UNIMARK OIL CO LLC

Street: 2727 ROE LANE

City: KANSAS CITY KS

Zipcode: 66103-1543

Health Emergency Phone: 800-451-8346

Label Required IND: Y

Date Of Label Review: 04/16/2001

Status Code: A

Label Date: 04/16/2001

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: No

ne

Hazard And Precautions: EYE CONTACT: CAN CAUSE MILD IRRITATION. SKIN CONTACT:
MAY CAUSE IRRITATION. PROLONGED OR REPEATED CONTACT MAY RESULT IN DERMATITIS.
INHALATION: OVEREXPOSURE OF HOT MATERIAL MAY CAUSE NONSPECIFIC DISCOMFORT.
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and assume responsibility for the suitability of this informa
tion to their
particular situation regardless of similarity to a corresponding Department
of Defense or other government situation.