

GARD CORPORATION -- GARDGEAR MIL-PRF-2105E GEAR OIL SAE 85W-140, MG-2066 --
9150-01-035-5396

===== Product Identification =====

Product ID:GARDGEAR MIL-PRF-2105E GEAR OIL SAE 85W-140, MG-2066

MSDS Date:06/26/1998

FSC:9150

NIIN:01-035-5396

Status Code:A

MSDS Number: CJXND

=== Responsible Party ===

Company Name:GARD CORPORATION

Address:2840 ROE LANE

City:KANSAS CITY

State:KS

ZIP:66103

Country:US

Inf

o Phone Num:913-236-5000

Emergency Phone Num:913-236-5000

Preparer's Name:MICHAEL MCLEMORE

Chemtrec Ind/Phone:(800)424-9300

CAGE:3K676

=== Contractor Identification ===

Company Name:UNIMARK OIL COMPANY (FORMERLY GARD OIL)

Address:2727 ROE LANE

City:KANSAS CITY

State:KS

ZIP:66103-1543

Country:US

Phone:913-236-5000; FX 913-236-4419

Contract Num:SP0450-00-M-C060

CAGE:3K676

===== Composition/Information on Ingredients =====

Ingred Name:HYDROTREATED PARAFFINIC DISTILLATES

Minumum

% Wt:85.

Maxumum % Wt:95.

OSHA PEL:5 MG/M3 (OIL MIST)

OSHA STEL:10 MG/M3 (OIL MIST)

ACGIH TLV:5 MG/M3 (OIL MIST)

Ingred Name:PROPRIETARY ADDITIVES

Minumum % Wt:5.

Maxumum % Wt:15.

OSHA PEL:5 MG/M3 (OIL MIST)

OSHA STEL:10 MG/M3 (OIL MIST)

ACGIH TLV:5 MG/M3 (OIL MIST)

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===== Hazards Identification =====

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYE CONTACT: PRODUCT NOT EXPECTED TO

CAUSE EYE IRRITATION. AVOID PROLONGED CONTACT WHICH MAY CAUSE MILD EYE DISCOMFORT. SKIN CONTACT: PRODUCT NOT EXPECTED TO CAUSE SKIN IRRITATION. PROLONGED OR REPEAT ED CONTACT MAY CAUSE ALLERGIC SKIN REACTION IN SOME AND DERMATITIS. INHALATION: OVEREXPOSURE BY INHALATION OF HOT MATERIAL MAY CAUSE NON-SPECIFIC DISCOMFORT. TAKE PRECAUTION TO PREVENT MISTING OR FORM ING AEROSOLS OF PRODUCT. INGESTED: DO NOT INGEST. PRODUCT RELATIVELY NON-TOXIC UNLESS ASPIR

ATED. ASPIRATION MAY CAUSE PULMONARY EDEMA, HEMORRHAGE & POSSIBLE DEATH. PRODUCT HAS LAXATIVE PROPERTIES & MA Y CAUSE GI TRACT DISCOMFORT.

Explanation of Carcinogenicity:NONE OF THE OILS REQUIRES A CANCER WARNING UNDER THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200). THESE OILS HAVE NOT BEEN LISTED BY THE NTP OR IARC.

Effects of Overexposure:EYES: TEARING, BLURRED VISION. SKIN: DRYNESS, CHAPPING & REDDENING OF SKIN. INHALED: NAUSEA, HEADACHE, WEAKNESS. INGESTED:

INCREASED RESPIRATION RATE, INCREASED HEART RATE, BLUISH DISCOLORATION OF SKI N, COUGHING, CHOKING, GAGGING, VOMITING, CRAMPS, DIARRHEA.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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===== First Aid Measures =====

First Aid:EYES: IMMEDIATELY FLUSH WITH WATER, CONTINUE FLUSHING UNTIL IRRITATION SUBSIDES. IF IRRITATION PERSISTS, CALL A PHYSICIAN.

SKIN: REMOVE CONTAMINATED CLOTHES. WASH CONTAMINATED AREA WITH SOAP &

WATER. IF REDNESS OR IRRITATION OCCURS, SEEK MEDICAL ATTENTION. IF PRODUCT IS HOT, SUBMERGE INJURED AREA INTO COLD WATER. IF SEVERELY BURNED, GET TO HOSPITAL IMMEDIATELY! INHALATION: REMOVE TO FRESH AIR. APPLY ARTIFICIAL RESPIRATION OR OXYGEN IF NECESSARY. DO NOT LEAVE VICTIM UNATTENDED. INGESTED: DO NOT INDUCE VOMITING! GIVE 1-2 GLASSES WATER. NOTHING BY MOUTH IF UNCONSCIOUS. SEEK IMMEDIATE MEDICAL ATTENTION.

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===== Fire Fighting Measures =====
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Flash Point Method:COC

Flash Point:=287.8C, 550.F

Lower Limits:N/D

Upper Limits:N/D

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 AND SPLATTERING MAY 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 AN INVISIBLE FIRE HAZARD. THE VAPORS MAY EXTEND TO SOURCES OF IGNITION AND FLASH BACK.

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===== Accidental Release Measures =====
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Spill Release Procedures:IMMEDIATELY SHUT OFF SOURCES OF IGNITION. EVACUATE AREA & VENTILATE. PERSONNEL IN PROPER PROTECTIVE EQUIPMENT SHOULD CONTAIN SPILL IMMEDIATELY WITH INERT MATERIALS. KEEP PRODUCT

OUT OF SEWERS & WATERWAYS. PICK-UP WITH EXPLOSION-PROOF,

NON-SPARKING TOOLS/PUMPS. DISPOSE OF IN SUITABLE CONTAINERS. IF A LARGE SPILL OCCURS, NOTIFY APPROPRIATE AUTHORITIES.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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===== Handling and Storage =====
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Handling and Storage Precautions:KEEP CONTAINERS CLOSED WHEN NOT IN USE. DO NOT TRANSFER TO UNMARKED CONTAINERS. FIRE EXTINGUISHERS SHOULD

BE KEPT READILY AVAILABLE. STORE CONTAINERS AWAY FROM HEAT, SPARKS, OPEN FLAME OR OXIDIZING MATERIALS.

Other Precautions:EMPTY CONTAINERS RETAIN PRODUCT RESIDUE WHICH MAY EXHIBIT HAZARDS OF MATERIAL, THEREFORE, DO NOT PRESSURIZE, CUT, WELD, GLAZE OR USE FOR ANY OTHER PURPOSES. RETURN DRUMS TO RECLAMATION CENTERS FOR PROPER CLEANING AND REUSE.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:NONE REQUIRED IF AIRBORNE CONCENTRATIONS BELOW

THRESHOLD LIMITS. OTHERWISE, A RESPIRATORY PROTECTION PROGRAM MEETING OSHA 1910.134 & ANSI Z88.2 MUST BE FOLLOWED. WHERE MISTING MAY OCCUR, WEAN AN MSHA/ NIOSH APPROVED (OR EQUIVALENT) HALF-MASK FORM DUST/MIST AOR PURIFYING RESPIRATOR.

Ventilation:ADEQUATE VENTILATION IAW GOOD ENGINEERING PRACTICE TO MAINTAIN AIRBORNE CONCENTRATIONS BELOW THE TLV(S).

Protective Gloves:IMPERVIOUS GLOVES SUCH AS NEOPRENE OR NITRILE RUBBER.

Eye Protection:SAFETY GLASS WITH SIDE SHIELDS OR VENTED CHEMICAL SPLASH GOGGLES.

Other Protective Equipment:EYE WASH STATIONS & SHOWERS MUST BE READILY AVAILABLE IN AREAS OF STORAGE & USE. USE APRON & OVERBOOTS OF CHEMICALLY IMPERVIOUS MATERIAL.

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.

Supplemental Safety and Health

IF HANDLING HOT MATERIAL, USE INSULATED PROTECTIVE EQUIPMENT.

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

HCC:V6

Boiling Pt:>260.C, 500.F

B.P. Text:N/D EXPECTED TO BE >26

Spec Gravity:0.901 AT 15.6C

Evaporation Rate & Reference:NEGLIGIBLE AT STP.

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

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

AVOID CONTACT WITH ACIDS AND OXIDIZING MATERIALS.

Stability Condition to Avoid:AVOID HIGH TEMPERATURES AND P

RODUCT

CONTAMINATION.

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

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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===== Toxicological Information =====

Toxicological Information:ORAL & DERMAL TOXICITY: NOT DETERMINED.
INHALATION TOXICITY: ON RARE OCCASIONS, REPEATED & PROLONGED

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. DERMAL SENSITIZATION: PROLONGED OR REPEATED SKIN CONTACT MAY MAKE SKIN MORE SENSITIVE TO OTHER SKIN SENSITIZERS. CHRONIC TOXICITY, CARCINOGENICITY, MUTAGENICITY, REPRODUCTIVE TOXICITY: NOT DETERMINED.

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

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

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===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE & FEDERAL REGULATIONS. THE MATERIAL, IF DISCARDED OR SPILLED, MAY BE A REGULATED WASTE. REFER TO STATE & LOCAL REGULATIONS. DEPARTMENT OF TRANSPORTATION REGULATIONS MAY APPLY FOR TRANSPORTING THIS MATERIAL WHEN SPILLED.

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

Transport Information:DOES NOT APPLY TO NON-BULK SHIPPING.

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

SARA Title III Information:SECTION 302/304: NONE. SECTION 311/312: NONE/NOT APPLICABLE. SECTION 313: NONE.

Federal Regulatory Information:UNDER SECTION 311 OF THE CLEAN WATER ACT

(40 CFR 110) AND 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 US TSCA INVENTORY. CERCLA: RQ: NOT DETERMINED.

State Regulatory Information: CALIFORNIA PROPOSITION 65: NOT APPLICABLE.

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

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