

GARD CORPORATION -- GARD HIGH PERFORMANCE MOTOR OIL SAE 5W-30 -- 9150-01-320-3706

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

Product ID:GARD HIGH PERFORMANCE MOTOR OIL SAE 5W-30

MSDS Date:09/11/1997

FSC:9150

NIIN:01-320-3706

MSDS Number: CFVYC

=== Responsible Party ===

Company Name:GARD CORPORATION

Address:2727 ROE LANE

City:KANSAS CITY

State:KS

ZIP:66103

Country:US

Info Phone Num:913-236-5000

Emergency Phone Num:913-236-5000

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

CAGE:3K676

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

Ingred Name:PARAFINNIC DISTILLATE

Fraction by Wt: 75-85%

Other REC Limits:5 MG/M3

Ingred Name:PROPRIETARY ADDITIVES

Fraction by Wt: 15-25%

Other REC Limits:NONE RECOMMENDED

Ingred Name:PHOSPHORODITHOIC ACID, O-O-D1 C1-14-ALKYL ESTERS, ZINC
SALTS

(2:1) (ZDDP)
CAS:68649-42-3
Fraction by Wt: < 0.5%
Other REC Limits:5 MG/M3 OIL MIST

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

LD50 LC50 Mixture:NOT GIVEN FOR PRODUCT AS A WHOLE
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:MAY CAUSE EYE IRRITATION. MAY CAUSE
SKIN IRRITATION. HOT VAPORS MAY CAUSE RESPIRATORY IRRITATION.
HARMFUL IF SWALLOWED. ASPIRATION MAY LEAD TO
CHEMICAL PNEUMONITIS.
Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT
CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT
CARCINOGENS.
Effects of Overexposure:EYE IRRITATION, DERMATITIS, SKIN
DRYNESS/CHAPPING/REDDENING OF SKIN, NAUSEA, HEADACHE, WEAKNESS,
PULMONARY EDEMA, HEMORRHAGE, DEATH, INCREASED RESPIRATORY RATE,
INCREASED HEART RATE, BLUISH DISCOLORATION OF THE SKIN, ABDOMINAL
CRAMPS, DIARRHEA.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES: FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS
OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING.
WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS, GET MEDICAL
ATTENTION. INHALATION: REMOVE TO FRESH AIR. RESTORE BREATHING. GET
MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. IMMEDIATELY
GIVE 2 GLASSES OF WATER. NEVER GIVE ANYTHING
BY MOUTH IF
UNCONSCIOUS. GET MD.

===== Fire Fighting Measures =====

Flash Point Method:COC
Flash Point:410F,210C
Lower Limits:NOT GIVEN
Upper Limits:NOT GIVEN
Extinguishing Media:USE DRY CHEMICAL, FOAM, WATER FOG, CARBON DIOXIDE.
Fire Fighting Procedures:WATER MAY BE INEFFECTIVE BUT MAY BE USED TO
COOL CONTAINERS EXPOSED TO HEAT OR FLAME. CAUTION SHOULD BE
EXERCISED WHEN USING WATER OR FOAM;FROTHING MAY OCCUR.
Unusual Fire/Explosion Hazard:DENSE

SMOKE MAY BE GENERATED WHILE
BURNING. TOXIC FUMES, GASES OR VAPORS MAY EVOLVE ON BURNING. HEAVY
FLAMMABLE VAPORS MAY TRAVEL TO LOW AREAS AND IGNITE.

===== Accidental Release Measures =====

Spill Release Procedures:IMMEDIATELY TURN OFF ANY SOURCE OF IGNITION.
EVACUATE AREA AND VENTILATE. CONTAIN MATERIAL AND COLLECT FOR
DISPOSAL. PREVENT MATERIAL FROM ENTERING SEWERS OR WATERWAYS. IF A
LARGE SPILL OCCURS NOTIFY APPROPRIATE AUTHORITIES.

Neutralizing Agent:

NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage =====

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

Other Precautions:SEE NFPA 30 AND OSHA 1910.106--FLAMMABLE AND
COMBUSTIBLE LIQUIDS. EMPTY CONTAINERS RETAIN PRODUCT RESIDUE WHICH
MAY EXHIBIT HAZARDS OF MATERIAL, THEREFORE DO NOT PRESSURIZE, CUT,
GLAZE,
WELD OR USE FOR ANY OTHER PURPOSES.

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

Respiratory Protection:NONE REQUIRED IF AIRBORNE CONCENTRATIONS ARE
MAINTAINED BELOW THRESHOLD LIMITS. OTHERWISE A RESPIRATORY
PROTECTION PROGRAM MEETING OSHA REQUIREMENTS MUST BE FOLLOWED.

Ventilation:LOCAL EXHAUST AND MECHANICAL (GENERAL) VENTILATION AS
REQUIRED TO MAINTAIN EXPOSURE LEVELS.

Protective Gloves:NEOPRENE OR NITRILE RUBBER.

Eye Protection:SAFETY GLASSES WITH SIDE SHIELDS

Other Protective Equipment:CHEMICAL RESISTANT CLOTHING AS NECESSARY TO
PREVENT SKIN CONTACT. AN EMERGENCY EYEWASH AND SHOWER SHOULD BE
AVAILABLE.

Work Hygienic Practices:WASH HANDS THOROUGHLY WITH SOAP AND WATER
BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Supplemental Safety and Health

CONSUMPTION OF FOOD AND DRINK SHOULD BE AVOIDED IN WORK AREAS WHERE
PRODUCT IS PRESENT.

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

HCC:V6

Boiling

Pt:B.P. Text:NOT GIVEN
Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN
Vapor Pres:NEGLIGIBLE
Vapor Density:> 1
Spec Gravity:0.873
Evaporation Rate & Reference:NEGLIGIBLE
Solubility in Water:NEGLIGIBLE
Appearance and Odor:AMBER, CLEAR FLUID, MILD PETROLEUM HYDROCARBON ODOR
Percent Volatiles by Volume:NIL

===== 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 PRODUCT CONTAMINATION.
Hazardous Decomposition Products:OXIDES OF CARBON ZINC, CALCIUM, MAGNESIUM, PHOSPHORUS AND SULFUR, HYDROGEN SULFIDE, ALKYL MERCAPTANS, OTHER SULFIDES.

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

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 STATE AND LOCAL REGULATIONS.

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