

GARD CORPORATION -- GARD HIGH PERFORMANCE MOTOR OIL SAE 5W-30 -- 9150-01-422-9326  
===== Product Identification =====

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

MSDS Date:03/24/1998

FSC:9150

NIIN:01-422-9326

MSDS Number: CHHYP

=== 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 P

hone 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: 80-90%

Other REC Limits:5 MG/M3

Ingred Name:PROPRIETARY ADDITIVES

Fraction by Wt: 10-20%

Other REC Limits:5 MG/M3 (OIL MIST)

Ingred Name

:PHOSPHORODITHOIC ACID, O-O-D1 C1-14-ALKYLESTERS, 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 RESPIR  
ATORY IRRITATION.

HARMFUL IF SWALLOWED. ASPIRATION MAY LEAD TO CHEMICAL PHEUMONITIS.

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 DISCOLORA TION OF THE SKI

N, 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 PERSIST, GET MEDICAL  
ATTENTION. INH ALATION: REMOVE TO FRESH AIR. RESTORE BREATHING. GET  
MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VO  
MITING. IMMEDIATELY  
GIVE 2 GLASSES OF WATER. NEVER GIVE ANYTHING BY MOUTH IF  
UNCONSCIOUS. GET MD.

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

Flash Point Method:COC

Flash Point:400F,204C

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 WAT

ER 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 CONTAIENRS RETAIN PRODUCT RESIDUE WHCIH MAY EXHIBI

T HAZARDS OF MATERIAL, THEREFORE DO NOT PRESSURIZE, CUT, GLAZE, WELD OR USE FO R 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:NE

OPRENE 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

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

=====

= Physical/Chemical Properties =====

HCC:V6

Boiling Pt:B.P. Text:>500F,>260C

Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN

Vapor Pres:NEGLIGIBLE

Vapor Density:> 1

Spec Gravity:0.873 @ 60F

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.

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 this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.