

GARD CORPORATION -- HIGH PERFORMANCE 5 W-30,10 W-30,10 W-40,1031 XX -- 9150-01-413-6990

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

Product ID:HIGH PERFORMANCE 5 W-30,10 W-30,10 W-40,1031 XX

MSDS Date:09/08/1994

FSC:9150

NIIN:01-413-6990

MSDS Number: BYDGH

=== Responsible Party ===

Company Name:GARD CORPORATION

Address:2727 ROE LANE

City:KANSAS CITY

State:KS

ZIP:66103-1590

Country:US

Info Phone Num:913-236-5000

Emergency Phone Num:913-236-5000

Preparer's Name:ROBERT BE

NTZ, CHEMIST

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:SEVERELY HYDROTREATED PETROLEUM HYDROCARBON BASE STOCK;  
(RE-REFINED HYDROTREATED PETROLEUM LUBRICATING OIL)

CAS:64742-58-1

Fraction by Wt: 50-60%

Other REC Limits:NONE RECOMMENDED

Ingred Name:SOLVENT DEWAXED RESIDUAL OIL (PETROLEUM)

CAS:64742-62-7

Fraction by Wt: 20-25%

Other REC Limits:NONE RECOMMENDED

Ingred Name:PROPRIETARY ADDITIVES IN CARRIER OIL (CAS # MIXTURE)

Fraction by Wt: 20-25%

Other REC Limits:NONE RECOMMENDED

Ingred Name:PHOSPHORODITHOIC ACID, O-O-D1 C1-14-ALKYL ESTERS, ZINC  
SALTS (2:1) (ZDDP);(ZINC C1-C4 ALKYLDITHIOPHOSPHATE)

CAS:68649-42-3

Fraction by Wt: 0-1.2%

Other REC Limits:NONE RECOMMENDED

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

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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:SKIN:MATL AFT PROLONGED/REPEAT CONTACT  
MAY CAUSE IRRIT DUE TO SENSITIZATION,RASH,ERMATITUS. EYE:MATL WILL  
CAUSE IRRIT. INHAL:EXCESSIVE INHAL OF HOT VAP/OIL MISTS CAN CAUSE  
NASAL & RESP IRRIT. INGEST:S YMPTOMS SIMILAR TO INHAL W/ADDN HEALTH  
CONCERNS SUCH AS CHEM PNEUMONITUS(ASPIRATION OF CHEM INTO  
LUNGS).PROD HAS (SUPPL)

Explanation of Carcinogenicity:PER MSDS:USED MOTOR OIL SHOWN TO CAUSE  
SKIN CANCER IN CERTAIN LAB ANIMALS CONINUALLY EXPO TO MATL BY  
REPEATED APPLICATIO

Effects of Overexposure:EYE IRRIT, SKIN IRRITATION DUE TO  
SENSITIZATION/RASH/ERMATITUS. NASAL/RESP IRRIT. CHEMICAL  
PNEUMONITUS FROM ASPIRATION OF FLUID INTO LUNGS, LAXATIVE, NAUSEA,  
ABDOMINAL CRAMPS, DIARRHEA.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

===== First Aid Measures ===  
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First Aid:EYE/SKIN:IMMED FLUSH EYES W/LG AMT OF WATER FOR @LEAST  
15MINS.WASH AFFECTED SKIN AREA THOROUGHLY W/SOAP/WATER.REMOVE  
CONTAMIN CLOTH.IRRIT PERSIST CONSULT PHYSICIAN. INHAL:REMOVE TO  
FRESH AIR.NOT BREAT H GIVE ART RESP.DIFFICULTY BREATH ADMINISTER  
OXY.GET PROMPT MED ATTN. INGEST:DO NOT INDUCE VOMIT.KEEP PERSON  
WARM/QUIET.NEVER GIVE ANYTHING BY MOUTH TO DROWSY/UNCONSC  
PERSON.GET IMMED MED ATTN.

===== Fire Fighting Measures =  
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Flash Point:200F,93C MIN.  
Extinguishing Media:WATER FOG, POLYMER FOAM, DRY CHEMICAL/CARBON  
DIOXIDE. COOL FIRE-EXPOSED CONTAINERS WITH WATER SPRAY.  
Fire Fighting Procedures:DO NOT ENTER ANY ENCLOSED OR CONFINED AREA  
WITHOUT PROPER PROTECTIVE EQUIPMENT AND NIOSH-APPROVED  
SELF-CONTAINED BREATHING APPARATUS.

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

Spill Release Procedures:USE PPE.IMMED TURN OFF/ISOLATE IGN  
SOURCES.EVACUATE/VENTILATE

.CONTAIN/DIKE IMMEDIATELY WITH INERT  
MATERIAL(SAND,EARTH,CHEM SPILL PAD OF COTTON).PREVENT ENTERING  
SEWERS/WATERWAYS.PICK UP WITH EXPLO PROOF/NON-SPARK VAC  
PUMP/SHOVELS/BUCKETS.NOTIFY APPROPRIATE AUTHORITY

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

Handling and Storage Precautions:DO NOT TRANSFER TO UNMARKED  
CONTAINERS.STORE IN CLOSED CONTAINERS AWAY FROM HEAT/SPARKS/OPEN  
FLAME/OXIDIZING MATERIALS.  
Other Precautions:PROD CLASSIFIED AS COMBUSTIBLE UNDER DOT REGS.FIRE  
EXTINGUISHERS SHOULD BE KEPT READILY AVAILABLE.SEE NFPA 30/OSHA  
1910.106. AVOID HEATING/WELDING/CUTTING/ETC OF EMPTY DRUMS TO AVOID  
POSSIBILITY OF IGNITING DRUM RESIDUE.

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

Respiratory Protection:NONE REQUIRED IF AIRBORNE CONCENTRATION MAINTAINED  
BELOW THRESHOLD LIMITS.OTHERWISE RESP PROTECTION PROGRAM MEETING  
OSHA 1910.134/ANSI Z88.2 REQUIREMENTS MUST BE FOLLOWED.WHERE MISTING OCCUR  
WEAR MSHA/NIOSH APPROVED /EQUIVALENT 1/2 MASK FORM DUST/M  
IST AIR PURIFIER  
Ventilation:USE ADEQUATE VENTILATION IN ENCLOSED AREA.MECH METHODS(FUMEHOODS/AREA  
FANS)MAY BE USED TO REDUCE LOCAL VAPOR/MIST AREAS.  
Protective Gloves:IMPERMEABLE(VINYL,PLASTIC,NITRILE,BUTYL RUBBER)  
Eye Protection:SAFETY GLASS WITH SIDESHIELD,VENT GOGGLES-ANSI Z87  
Other Protective Equipment:EYEWASH STATIONS/SHOWERS AVAILABLE IN  
WORK/STORE AREAS.APRON,OVERBOOTS OF SOLVENT IMPERMEABLE  
MATERIAL(VINYL,PLASTIC,NITRILE,BUTYL RUBBER)  
Work Hygienic Practices:LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE. WASH HANDS  
AFTER HANDLING.

Supplemental Safety and Health  
FIREFIGHTING:APPROVED BREATHING MASKS(PRESSURE DEMAND OR EQUIVALENT).  
FIRE/EXPLO HAZ:CONTAINERS USED FOR STORAGE MAY RETAIN COMBUSTIBLE/FLAMMABLE  
VAPOR. HEALTH HAZ:LAXATIVE PROPERTIES,MAY CAUSE NAUSEA,ABDOMINAL CRAMPS  
,DIARRHEA.

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

HCC:V6  
NRC/State Lic Num:NOT RELEVANT  
Boiling Pt:B.P. Text:>500F,>260C  
Vapor Pres:1  
Spec Gravity:0.88  
Solubility in Water:INSOLUBLE  
Appearance and Odor:AMBER-BROWN FLUID WITH A C

HARACTERISTIC PETROLEUM  
ODOR

Percent Volatiles by Volume: