

GRD Food Grade Silicone Global part # U03-249022

SHERWIN-WILLIAMS DIVERSIFIED BRANDS, INC -- S00410, FOOD GRADE SILICONE, LUBRICANTS, (SUP DAT) -- -

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Product Identification
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Product ID:S00410, FOOD GRADE SILICONE, LUBRICANTS, (SUP DAT)
MSDS Date:08/17/1998
FSC:NIIN:Submitter:N EN
Status Code:A
MSDS Number: CKJMS
=== Responsible Party ===
Company Name:SHERWIN-WILLIAMS DIVERSIFIED BRANDS, INC
Address:31500 SOLON RD
City:SOLON
State:OH
ZIP:44139
Country:US
Info Phone Num:800-777-2966
Emergency Phone Num:216-566-2917
Resp. Party Other MSDS Num.:LUBE2/ISD
CAGE:09800
=== Contractor Identification ===
Company Name:SHERWIN-WILLIAMS DIVERSIFIED BRANDS, INC.
Address:26300 FARGO AVENUE
Box:City:BEDFORD HEIGHTS
State:OH
ZIP:44146
Country:US
Phone:216-292-7400 OR 216-595-8634
CAGE:09800

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Composition/Information on Ingredients
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Ingred Name:PROPANE. (VAPOR PRESSURE 760.0 MM HG)
CAS:74-98-6
RTECS #:TX2275000
= Wt:15.
OSHA PEL:1000 PPM

Ingred Name:TETRACHLOROETHYLENE. (VAPOR PRESSURE 18.0 MM HG)
CAS:127-18-4
RTECS #:KX3850000
= Wt:78.
OSHA PEL:25 PPM
OSHA STEL:100 PPM
ACGIH TLV:25 PPM
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:ETHYLENE GLYCOL. (VAPOR PRESSURE 0.1 MM HG)
CAS:107-21-1
RTECS #:KW2975000
= Wt:2.
OSHA PEL:50 PPM
ACGIH TLV:C 50 PPM
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

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Hazards Identification
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:ACUTE: EXPOS MAY BE BY INHALATION
AND/OR SKIN OR EYE CONTACT, DEPENDING ON CONDITIONS OF USE. TO
MINIMIZE EXPOSURE, FOLLOW RECOMMENDATIONS FOR PROPER USE,
VENTILATION, AND PERSONAL PROTECTIVE EQUIPME N T. EFFECTS OF
OVEREXPOSURE: IRRITATION OF EYES, SKIN AND RESPIRATORY SYSTEM. MAY
CAUSE NERVOUS SYSTEM DEPRESSION. EXTREME OVEREXPOSURE MAY RESULT IN
UNCONSCIOUSNESS AND POSSIBLY DEATH. SIGNS AND SYMPT OMS OF
OVEREXPOSURE: HEADACHE, DIZZINESS, NAUSEA, AND LOSS OF COORDINATION
ARE INDICATIONS OF EXCESSIVE EXPOSURE TO VAPORS OR SPRAY MISTS.
REDNESS AND ITCHING OR BURNING SENSATION MAY INDICATE EYE OR
EXCESSIVE SKIN EXPOSURE.(EFT OF OVEREXP)
Exp lanation of Carcinogenicity:TETRACHLOROETHYLENE: GROUP 2B, IARC
MONOGRAPHS SUPPLEMENT 7, PAGE 355, 1987; ANTICIPATED CARCINOGEN,

NTP 8TH ANNUAL REPORT ON CARCINOGENS, 1998.

Effects of Overexposure:HEALTH HAZARDS (CONT):CHRONIC HEALTH HAZARDS:
ETHYLENE GLYCOL IS CONSIDERED AN ANIMAL TERATOGEN. IT HAS BEEN SHOWN TO CAUSE BIRTH DEFECTS IN RATS AND MICE AT HIGH DOSES WHEN GIVEN IN DRINKING WATER OR BY GAVAGE. THERE IS NO EVIDENCE TO INDICATE IT CAUSES BIRTH DEFECTS IN HUMANS. PROLONGED OVEREXPOSURE TO SOLVENT INGREDIENTS MAY CAUSE ADVERSE EFFECTS TO LIVER, URINARY AND CARDIOVASCULAR SYSTEMS. RE PORTS HAVE ASSOCIATED REPEATED AND PROLONGED OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. (OTHER INFO)

Medical Cond Aggravated by Exposure:CARDIOVASCULAR PROBLEMS MAY BE AGGRAVATED BY OVEREXPOSURE TO METHYLENE CHLORIDE.

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First Aid Measures
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First Aid:INHAL: IF AFFECTED, REMOVE FROM EXPOSURE. RESTORE BREATHING. KEEP WARM AND QUIET. SKIN: WASH AFFECTED AREA THOROUGHLY W/SOAP & WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDRY BEFORE RE-USE. EYES: FLUS H WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION. INGEST: GET MEDICAL ATTENTION.

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Fire Fighting Measures
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Flash Point:=-28.9C, -20.F

Lower Limits:1.0%

Upper Limits:12.8%

Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, FOAM.

Fire Fighting Procedures:USE NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT . WATER SPRAY MAY BE INEFTIVE. IF WATER IS USED, FOGG NOZZLES ARE PREFERABLE. WATER MAY BE USED TO COOL CLSD CNTNRS TO PVNT PRESS BUILD UP & POSS AUTOIGNIT OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT.

Unusual Fire/Explosion Hazard:CLSD CNTNRS MAY EXPLODE (DUE TO BUILD-UP OF PRESS) WHEN EXPOSED TO EXTREME HEAT. ISOLATE FROM HEAT, ELEC EQUIP, SPKS & OPEN FLAME. APPLICATION TO HOT SURFS REQS SPECIAL PRECAUTIONS. DURING EMER CNDTNS OVEREXP TO DECOMP PRODS MAY CAUSE HLTH HAZ. SYMPS MAY NOT BE IMMED APPARENT. OBTAIN MED ATTN.

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Accidental Release Measures
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Spill Release Procedures:REMOVE ALL SOURCES OF IGNITION. VENTILATE AND REMOVE WITH INERT ABSORBENT.

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Handling and Storage
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Handling and Storage Precautions:CONTENTS ARE EXTREMELY FLAMM. KEEP AWAY FROM HEAT, SPKS, & OPEN FLAME. VAPS WILL ACCUM READILY & MAY IGNITE EXPLO. DURING USE & UNTIL ALL VAPS ARE GONE: KEEP AREA VENTILATED-DO NOT SMOKE-EXTING ALL FL AMES, PILOT LIGHT, & HEATERS-TURN OFF STOVES, ELEC TOOLS & APPLIANCES, & ANY OTHER SOURCES OF IGNIT.

Other Precautions:CONSULT NFPA CODE. USE APPRVD BONDING & GROUNDING PROCEDURES. CONTENTS UNDER PRESS. DO NOT PUNCTURE, INCIN/EXPOSE TO TEMP ABOVE 120F. HEAT FROM SUNLIGHT, RADIATORS, STOVES, HOT WATER, & OTHER HEAT SOU RCES COULD CAUSE CNTNR TO BURST. DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN. (SUPDAT)

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Exposure Controls/Personal Protection
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Respiratory Protection:IF PERSONAL EXPOSURE CANNOT BE CONTROLLED BELOW APPLICABLE LIMITS BY VENT, WEAR A PROPERLY FITTED ORGANIC VAPOR/PARTICULATE RESP APPRVD BY NIOSH FOR PROTECTION AGAINST MATERIALS IN INGREDIENTS.

Ventilation:LOC EXHST PREF. GEN EXHST ACCEPTABLE IF EXPOS TO MATLS IN INGRED SECTION IS MAINTAINED BELOW APPLIC EXPOS LIMITS. REFER TO OSHA STDS (SUPDAT)

Protective Gloves:IMERVIOUS GLOVES .

Eye Protection:ANSI APPROVED CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:EYE WASH & DELUGE SHOWER MEETING ANSI DESIGN CRITERIA . USE W/ADEQ VENT. AVOID BRTHG VAP & SPRAY MIST. AVOID CONT W/SKIN & EYES.

Work Hygienic Practices:WASH HANDS AFTER USING.

Supplemental Safety and Health

MFR TRADE NAME/PART NO: RUST PREVENTATIVES & MAINTENANCE PRODS - 2.
WEIGHT PER GAL 9.85 LBS. VOC (VOLATILE ORGANIC COMPOUNDS)

TOTAL-LBS/GAL: 1.82. VOC AS PERCENT BY WEIGHT PER BAAQMD RULE 49:
95.0. OTHER PREC: INTENTIONAL MISUSE BY DELIB CONC & INHALING
CONTENTS CAN BE HARMFUL/FATAL. VENT:1910.94, 1910.107, 1910.108.

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

Boiling Pt:B.P. Text:< 0 - 701 F
Vapor Pres:SEE INGREDIENTS
Vapor Density:HVR/AIR
Spec Gravity:0.65 - 1.06
Evaporation Rate & Reference:FASTER THAN ETHER

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

Stability Indicator/Materials to Avoid:YES
NONE KNOWN.
Stability Condition to Avoid:NONE KNOWN.
Hazardous Decomposition Products:BY FIRE: CARBON DIOXIDE, CARBON
MONOXIDE, OXIDES OF METALS LISTED IN INGREDIENT SECTION II.

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

Waste Disposal Methods:WASTE FROM PRODUCTS MAY BE HAZARDOUS AS DEFINED
UNDER RESOURCE CONSERVATION & RECOVERY ACT 40 CFR 261. WASTE MUST
BE TESTED FOR IGNITABILITY TO DETERM APPLIC RPA HAZ WASTE NUMBERS.
DO NOT INCIN. DEPRE SSURIZE CNTNR. DISPOSE OF I/A/W FEDERAL, STATE,
& LOCAL REGS REGARDING POLLUTION.

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

SARA Title III Information:TETRACHLOROETHYLENE AND ETHYLENE GLYCOL ARE
SUBJECT TO THE REPORTING REQUIREMENTS OF THE SUPERFUND AMENDMENTS
AND REAUTHORIZATION ACT (SARA) SECTION 313, 40 CFR 372.65 C.
Federal Regulatory Information:ALL CHEMICALS IN THESE PRODUCTS ARE
LISTED, OR ARE EXEMPT FROM LISTING, ON THE TSCA INVENTORY.
State Regulatory Information:WARNING: THIS PRODUCT CONTAINS CHEMICALS
KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

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

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