

QUAKER STATE OIL REFINING CORP -- SUPER QUADROLUBE 80W90 GEAR -- 9150-01-035-5393  
===== Product Identification =====

Product ID: SUPER QUADROLUBE 80W90 GEAR  
MSDS Date: 12/15/1994  
FSC: 9150  
NIIN: 01-035-5393  
MSDS Number: BWRKX  
=== Responsible Party ===  
Company Name: QUAKER STATE OIL REFINING CORP  
Address: 255 ELM ST  
Box: 989  
City: OIL CITY  
State: PA  
ZIP: 16301-1412  
Country: US  
Info Phone Num: 814-676-2726  
Emer  
gency Phone Num: 814-676-2726  
Preparer's Name: D.W. CRALLEY  
CAGE: DO899  
=== Contractor Identification ===  
Company Name: QUAKER STATE CORPORATION  
Address: 255 E JOHN CARPENTER FREEWAY  
Box: City: IRVING  
State: TX  
ZIP: 75062  
Country: US  
Phone: 800-562-5928  
CAGE: 77493  
Company Name: QUAKER STATE OIL REFINING CORPORATION  
Address: Box: 989  
City: OIL CITY  
State: PA  
ZIP: 16301  
Country: US  
Phone: 814-676-7676  
CAGE: DO899

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

Ingred Name: MINERAL OIL, PETROLEUM

DISTILLATE, SOLVENT DEWAXED (MILD),  
HEAVY PARAFFINIC

CAS:64742-65-0

RTECS #:PY8038500

Fraction by Wt: 25-30%

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

Ingred Name:SOLVENT DEWAXED RESIDUAL OIL (PETROLEUM)

CAS:64742-62-7

Fraction by Wt: 60-65%

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

Ingred Name:OLEFIN SULFIDE

CAS:72162-26-6

Fraction by Wt: 2-4%

Other REC Limits:NONE RECOMMENDED

Ingred Name:ALKYLAMINE SALTS OF PHOSPHORIC ACID ESTERS

CAS:71888-91-0

Fraction by Wt: 0-2%

Other REC Limits:NONE RECOMMENDE

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

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO

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

Health Hazards Acute and Chronic:CONTACT MAY CAUSE EYE IRRITATION.

PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE IRRITATION OR  
DERMATITIS. INHALATION OF HIGH CONCENTRATIONS OF MISTS OR VAPOR MAY  
CAUSE UPPER RESPIRATORY TRACT IRRITATION; POSSIBLE CNS DEPRESSION.  
ASPIRATION DURING SWALLOWING OR VOMITING MAY

CAUSE PULMONARY  
INJURY.

Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1%  
OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.

Effects of Overexposure:EYES-REDNESS, BURNING SENSATION, TEARING.

SKIN-IRRITATION, DERMATITIS. INHALED-IRRITATION, DIZZINESS, NAUSEA,  
HEADACHE, LOSS OF COORDINATION, WEAKNESS. INGESTED-PULMONARY  
INJURY.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

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First Aid:INHALATION-REMOVE TO FRESH AIR. GIVE MOUTH-TO-MOUTH RESUSCITATION IF NOT BREATHING. GET MEDICAL ATTENTION. EYE-FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION IMMEDIATELY. SKIN-WASH WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHING. INGESTION-DO NOT INDUCE VOMITING. NOTHING BY MOUTH IF UNCONSCIOUS. GET MEDICAL ATTENTION.

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

Flash Point Method:COC

Flash Point:390F,199C

Ext

inguishing Media:WATER, CARBON DIXOIDE, DRY CHEMICAL, FOAM.

Fire Fighting Procedures:USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS AND AS A PROTECTIVE SCREEN. DO NOT POINT WATER STREAM DIRECTLY AT BURNING OIL, IT MAY SPREAD THE FIRE.

Unusual Fire/Explosion Hazard:"EMPTY" CONTAINERS RETAIN PRODUCT RESIDUE AND CAN BE DANGEROUS.

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

Spill Release Procedures:ABSORB WITH INERT MATERIALS SUCH AS DRY CLAY, SAND, DIATOMA  
CEOUS EARTH, OR RECOVER WITH PUMPS. SCOOP UP USED  
ABSORBENT INTO DRUMS. DO NOT ALLOW INTO PUBLIC DRAINAGE SYSTEM OR OPEN WATERWAYS. WEAR APPR OPRIATE CLOTHING/EQUIPMENT.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE AWAY FROM STRONG OXIDIZING AGENTS.

Other Precautions:EMPTY DRUMS SHOULD BE COMPLETELY DRAINED, PROPERLY BUNGED & PROMPTLY RETURNED TO A DRUM RECONDITIONER OR PROMPTLY DISPOSED OF.

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

Respiratory Protection:IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE OR EMERGENCY OCCURS; USE NIOSH/MSHA APPROVED RESPIRATOR OR SUPPLIED AIR RESPIRATOR OR SCBA, AS REQUIRED. USE IAW 29 CFR 1910.134 AND MANUFACTURER'S RECO MMENDATIONS.

Ventilation:USE GENERAL VENTILATION AND USE LOCAL EXHAUST WHERE POSSIBLE IN CONFINED OR ENCLOSED SPACES.

Protective Gloves:NITRILE, VITON.

Eye Prot

ection:NONE NORMALLY REQUIRED.

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER. DLA-HMIS:

EYE WASH STATION & SAFETY SHOWER AVAILABLE FOR EMERGENCY USE.

Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING,  
DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

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

HCC:V6

Spec Gravity:0.88-0.90

Viscosity:674 SUS @100F

Appearance and Odor:BROWN, VISCOUS LIQUID.

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS (SUCH AS CHLORINE, PEROXIDES), STRONG ACIDS.

Stability Condition to Avoid:EXCESSIVE HEAT, FORMATION OF MISTS.

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE,  
OXIDES OF SULFUR, NITROGEN, BORON AND PHOSPHOROUS.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposa

I Methods:MATERIAL, IF DISCARDED, IS NOT EXPECTED TO BE A  
CHARACTERISTIC WASTE UNDER RCRA. USED OIL CAN BE RETURNED TO A  
COLLECTION POINT OR PROVIDED TO A LICENSED RECYCLER. ALL WASTES  
MUST BE HANDLED IAW LOCAL , STATE AND FEDERAL REGULATIONS.

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