

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
E-mail:
Agency 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 =====

Ingredient Name: MINERAL OIL, PETROLEUM

M 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 RECOMMENDED

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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

Ex

Extinguishing Media:WATER, CARBON DIOXIDE, 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, DIATOM

ACEOUS EARTH, OR RECOVER WITH PUMPS. SCOOP UP USED ABSORBENT INTO DRUMS. DO NOT ALLOW INTO PUBLIC DRAINAGE SYSTEM OR OPEN WATERWAYS. WEAR APPROPRIATE 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 RECOMMENDATIONS.

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

Protective Gloves:NITRILE, VITON.

Eye Protection

tection: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.

===== 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 Dispos

al 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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