

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

Product ID: SUPER QUADROLUBE 80W90 GEAR

MSDS Date: 12/15/1994

FSC: 9150

NIIN: 01-035-5392

MSDS Number: BWRKW

=== 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

Emergency Phone Num: 814-676-2726

Preparer's Name: D.W. CRALLEY

CAGE: D

O899

=== 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: 64

742-65-0
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

===== Hazards Identification =====
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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.

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

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

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, DIATOMACEOUS 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:NONE NORMALLY REQUIRED.

Other Protective Equipment:NONE

PECIFIED 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 =====

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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 Disposal Methods:MATERIAL, IF DISCARDED, IS NOT EXPECTED TO BE A
CH

ARACTERISTIC 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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