



# MATERIAL SAFETY DATA SHEET



EFFECTIVE DATE: 7-29-85  
REVISION NUMBER: 2

QUAKER STATE CORPORATION • P.O. Box 989, Oil City, Pennsylvania 16301.

## I. IDENTIFICATION

PRODUCT NAME: Quaker State High Performance Gear Lubricant (SAE 80W90 and 85W140)

CHEMICAL NAME:

PRODUCT CODE: See "Notes" on page 4

FORMULA: Complex mixture of Petroleum Hydrocarbons & Additives

CHEMICAL FAMILY: Hydrocarbons & Additives

SYNONYMS: Gear Lube

DEPARTMENT OF TRANSPORTATION:

HAZARD CLASSIFICATION: Not hazardous under DOT 172.101

SHIPPING NAME: Petroleum Lubricant

IDENTIFICATION #:

CAS #: Mixture

CAS NAME: Mixture

## II. TYPICAL COMPOSITION

<u>MATERIAL</u>	<u>CAS #</u>	<u>% wt.</u>	<u>TLV (UNITS) (SOURCE)</u>	<u>HAZARD</u>
Mineral Oils@	Mixture	> 90	5 mg/M <sup>3</sup> TWA (ACGIH)	Respiratory Irritant
*Extreme Pressure, Friction Mixture Anti-Oxidant, Corrosion Inhibitor, Pour Point and Viscosity Improver Additives		< 10		

\*Although additive contains Sulfur, Phosphorous and Hydrocarbon Polymers, this formulation is considered to be proprietary information by the manufacturer.

@We consider our blend of mineral oils to be proprietary information.

## III. PHYSICAL DATA

BOILING POINT, 760 mm. Hg: Not determined

PHYSICAL STATE: Liquid

SPECIFIC GRAVITY (H<sub>2</sub>O = 1): @ 15.6° C/0.889/0.9042

VAPOR PRESSURE AT 20°C.:

VAPOR DENSITY (AIR = 1): N/A

SOLUBILITY IN WATER, % BY WT.: Insoluble

PER CENT VOLATILES BY VOLUME: N/A

EVAPORATION RATE ( Butyl Acetate = 1) N/A

APPEARANCE AND ODOR: Dark colored liquid, pungent odor.

This information is, to the best of Quaker State Corporation's knowledge and belief, accurate and reliable. However, no representation, warranty, or guarantee is made to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.

FOR FURTHER INFORMATION CALL: (814) 676-7676

## IV. HEALTH HAZARD DATA

TLV AND SOURCE: Mineral Oil 5 mg/M<sup>3</sup> TWA (ACGIH) As an oil mist  
(Due to the viscosity of this material, creation of an oil mist is highly unlikely.)

### ACUTE EFFECTS OF OVEREXPOSURE

- SWALLOWING : Not expected to be acutely toxic by ingestion.
- SKIN ABSORPTION: No data available.
- INHALATION : Not expected to be toxic by inhalation. However, breathing mineral oil mists at levels above the TLV may cause respiratory irritation and possible discomfort. As mentioned above, creation of an oil mist of this material is unlikely.
- SKIN CONTACT : Material expected to cause no more than minor skin irritation following prolonged and/or repeated contact.
- EYE CONTACT : May cause minor eye irritation.

### CHRONIC EFFECTS OF OVEREXPOSURE

None known.

### EMERGENCY AND FIRST AID PROCEDURES

- SWALLOWING : If large quantities of this material are swallowed, give victim water, induce vomiting and contact a physician.
- SKIN : Wash skin thoroughly with soap and water. Launder soiled clothing.
- INHALATION : Although inhalation of this material is unlikely, if respiratory discomfort or irritation occurs due to inhalation of the product as an oil mist, remove person from exposure. Contact a physician if discomfort or irritation continues.
- EYES : Flush with water for 15 minutes. If irritation continues, contact a physician.

### NOTES TO PHYSICIAN

## V. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT [test method(s)]: 145°C 295°F (PMCC)

FLAMMABLE LIMITS IN AIR, % BY VOLUME: N/A

EXTINGUISHING MEDIA: CO<sub>2</sub>, Dry Chemical, Foam & Water Spray. On large storage fires, water spray may be ineffective.

SPECIAL FIRE FIGHTING PROCEDURES: For small fires involving this material, no special procedure or precautions are necessary. For large storage fires involving this material and/or other lubricating products, do not enter any enclosed or confined space without full protective equipment including self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

## VI. REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: High temperatures and open flame.

INCOMPATIBILITY (materials to avoid): Strong oxidizing agents.

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS: Carbon dioxide, water vapor. May produce oxides of sulphur, calcium, barium, boron, zinc, nitrogen and phosphorus. Incomplete combustion can produce carbon monoxide.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None known

## VII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Clean up spills as soon as possible. Absorb large spills with commercially available absorbent materials, such as absorbent clay.

WASTE DISPOSAL METHOD:

Place contaminated material in disposable containers and bury in an approved landfill site per local, state and federal regulations.

## VIII. PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify type): Not applicable for intended use. However, if unusual operating conditions create concentrations in excess of the TLV, an approved respirator is recommended.

VENTILATION: None needed for intended use. Special ventilation is necessary only if unusual operating conditions create concentrations in excess of the TLV.

PROTECTIVE GLOVES: Although none normally needed for intended use, impervious protective gloves will minimize skin exposure.

EYE PROTECTION: Although none normally necessary for intended use, safety glasses or a face shield can reduce the possibility of accidental eye contact.

OTHER PROTECTIVE EQUIPMENT: None normally necessary for intended use.

## IX. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Do not store near high heat or open flames.

PRECAUTIONS DURING USE: Avoid prolonged or frequently repeated skin contact with this material. Skin contact can be minimized by wearing impervious protective gloves. As with all products of this nature, good personal hygiene is essential. Hands and other exposed areas should be washed thoroughly with soap and water after contact, especially before eating and/or smoking. Regular laundering of contaminated clothing is essential to reduce indirect skin contact with this material.

## NOTES

### PRODUCT CODES

#### 80W-90 EP

60119  
60127  
60126  
60125  
60138

#### 85W-140 EP

60219  
60227  
60226  
60225  
60238

#### Package

Bulk  
400 lb. drum  
120 lb. drum  
35 lb. pail  
1 qt. plastic