



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 Multi-Purpose Grease & Wheel Bearing Lubricant

PRODUCT CODE: 50226 (120 lb. drum)
50225 (35 lb. pail)
50223 (5 lb. pl. tub)
50229 (1 lb. pl. tub)
50221 (14 oz. cartridge)

CHEMICAL NAME:

FORMULA: Complex mixture of lithium stearate soaps & mineral oil

SYNONYMS:

DEPARTMENT OF TRANSPORTATION:

HAZARD CLASSIFICATION:
SHIPPING NAME:

CHEMICAL FAMILY: Petroleum Hydrocarbon
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		
Soap - Complex mixture of Lithium Stearates*	Mixture	< 10		

*Additive manufacturers consider their additive package to be proprietary information.

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

III. PHYSICAL DATA

BOILING POINT, 760 mm. Hg: 700° F

PHYSICAL STATE: Paste

SPECIFIC GRAVITY (H₂O = 1): .90

VAPOR PRESSURE AT 20°C.: .01

VAPOR DENSITY (AIR = 1): ≈ 0

SOLUBILITY IN WATER, % BY WT.: Negligible

PER CENT VOLATILES BY VOLUME: ≈ 0

EVAPORATION RATE (Butyl Acetate = 1) < .01

APPEARANCE AND ODOR: Amber semi-solid buttery paste. Slight tallow like 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: No exposure standard or Threshold Limit Value (TLV) has been established for this material.

ACUTE EFFECTS OF OVEREXPOSURE

- SWALLOWING : Ingestion is unlikely. Not expected to be acutely toxic by ingestion.
- SKIN ABSORPTION: Not known to occur.
- INHALATION : N/A
- SKIN CONTACT : Expected to cause no more than minor skin irritation following prolonged and/or repeated skin contact. Good hygiene practices are the best defense against minor irritation. Highly sensitive employees could develop skin rash and hypersensitivity with prolonged skin exposure.
- EYE CONTACT : May be considered a minor irritant.

CHRONIC EFFECTS OF OVEREXPOSURE

None known.

EMERGENCY AND FIRST AID PROCEDURES

- SWALLOWING : Although ingestion of sufficient quantities of this material to be considered toxic is highly unlikely, should ingestion occur induce vomiting and seek medical attention.
- SKIN : Wash with soap and water.
- INHALATION : N/A
- EYES : Flush eyes immediately with large quantities of water. Rubbing material into eye may cause further injury. Medical attention should be obtained.

NOTES TO PHYSICIAN

High pressure injection of this material should be treated immediately by a physician. Treat as you would any other hydrocarbon grease.

V. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT [test method(s)]: $\geq 400^{\circ}$ F (COC)

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

EXTINGUISHING MEDIA: CO₂, Foam, Dry Chemical

SPECIAL FIRE FIGHTING PROCEDURES: Treat this material as one would any other high flash point petroleum hydrocarbon material.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

VI. REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: High heat and open flame.

INCOMPATIBILITY (materials to avoid): Strong oxidizing agents.

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS: CO, CO₂

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:

Collect and discard.

WASTE DISPOSAL METHOD:

Dispose of according to local, state and federal regulations.

VIII. PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify type): None required.

VENTILATION: No special ventilation required.

PROTECTIVE GLOVES: None normally needed. Note: Where hypersensitivity occurs, neoprene or similar gloves are recommended.

EYE PROTECTION: None needed unless high pressure applicators (grease guns) are used, then safety glasses are recommended.

OTHER PROTECTIVE EQUIPMENT: None required.

IX. SPECIAL PRECAUTIONS

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

PRECAUTIONS DURING USE: If high pressure applicators (grease guns) are to be used, extreme care should be exercised. High pressure injection of any material including this product can cause serious injury. If injection occurs, medical attention should be obtained immediately.

NOTES

Approved by D. W. Cralley - Corporate Safety Coordinator