

Material Data Safety Sheet

Safe: Food Grade EP Grease, Grade 1

Emergency Phone (610) 798-9222
Chemtrec (800) 424-9300

Date Revised 1/04/01

1. **Product Identification:**

Product name: Safe: Food Grade EP Grease, Grade 1
Chemical family: Petroleum Hydrocarbon plus Additives
Product use: Food grade lubricating grease

NFPA
Health-1
Flammability-1
Reactivity-0

2. **Hazardous Ingredients / Identity Information:**

Components	OSHA PEL	OSHA TWA	ACGIH TLV-TWA	ACGIH TLV-STEL	CAS#
Paraffinic white mineral oil	5mg/m3*	5mg/m3*	5mg/m3*	10mg/m3*	

+ Total dust *oil mist n/e - not established

This Material Data Safety Sheet (MSDS) has been prepared under guidelines in OSHA Hazard Communication Standard 29 CFR 1910.1200. None of the components of this product at concentrations greater than or equal to 0.1 % are listed as a carcinogen or potential carcinogen by NTP, IARC, OSHA.

3. **Health Hazard Data:**

Acute effects of overexposure

Eyes: Product contacting the eyes may cause eye irritation.

Skin: Prolonged and/or repeated contact tends to remove skin oils, possibly leading to irritation and dermatitis.

Ingestion: Do not induce vomiting. Small amounts aspirated into lungs during ingestion or vomiting may cause mild to severe pulmonary injury.

Inhalation: Not expected to be a route of exposure due to low volatility of product. At elevated temperatures, vapors or mists may be produced.

Chronic effects of overexposure: Prolonged and/or repeated contact may cause skin irritation.

4. **First Aid:**

Skin: Remove any contaminated clothing. Wash thoroughly for 15 minutes with soap and water. If irritation occurs, get medical help.

Eyes: Immediately flush with plenty of water for 15 minutes or until irritation subsides. If irritation persists, get medical help.

Ingestion: Do not induce vomiting. Get medical help.

Inhalation: Vapor pressure is very low. Vapor inhalation under ambient conditions is improbable under normal conditions. If overcome by vapor from hot product, immediately remove from exposure to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing, give oxygen. Get medical help.

5. **Employee Protection:**

Respiratory: None under normal conditions. NIOSH-approved supplied-air respirator when exposed to mists or vapor from heated material.

Ventilation: Mechanical (general) is satisfactory. Provide ventilation sufficient to prevent exceeding recommended exposure limit.

Hands: Oil impervious gloves, if needed, to avoid prolonged or repeated skin contact.

Eyes: Splash goggles or face shield when eye contact may occur.

Other: Avoid contact with skin and eyes. Wash thoroughly after handling.

6. Physical / Chemical Characteristics:

Appearance: White color
Boiling Point: Not determined.
Specific Gravity: (H₂O = 1): 0.90
Vapor Pressure: (mm Hg) : < 1 mm Hg @ 20° C.
Vapor Density: (Air = 1) : > 5
Physical Form: Grease
Solubility in Water: Insoluble
Evaporation Rate: (Butyl acetate = 1): < 0.01

7. Reactivity:

Hazardous Decomposition or Byproducts: Oxides of carbon, nitrogen
Hazardous Polymerization: Will not occur.
Stability: Stable.
Incompatibility: Avoid contact with strong oxidizing agents such as liquid chlorine, concentrated oxygen, sodium hypochlorite, etc.

8. Fire and Explosion Data:

Flash Point (COC): (of base oil) 531° F (277° C).
Flammable Limits: (approx. % by volume in air):
LEL: No data available **UEL:** No data available
Extinguishing Media: Foam, dry chemical, carbon dioxide, water spray.
Special Fire Fighting Procedures: Use air-supplied breathing equipment for enclosed areas.
Unusual Fire and Explosion Hazards: None indicated.

9. Spill or Leak Procedures:

Recover free product. Contain any spill to prevent entry to sewers or streams. Add sand, earth or suitable absorbent to spill area. Transfer to closed container.

10. Waste Disposal Methods:

Not classified as a hazardous waste under RCRA. However, it is the responsibility of the product user to determine at the time of disposal. Whether the material being disposed of is a hazardous waste (40cfr 261.20-24). Dispose of in accordance with all applicable local, state and federal regulations. Use licensed waste oil disposal contractor. Empty containers may contain product residue. Do not cut, heat or weld on or around empty containers.

11. Precautions to be taken in Handling and Storing:

Store in closed containers away from heat or open flames. Do not store with oxidizing agents.
Not for internal use. Avoid contact with skin, eyes and clothing.

12. Toxicological Information:

This product is a mixture not tested as a whole for toxicity. Based on available component toxicological data, acute oral LD50 is expected to be less than 5 g/kg. A threshold limit value of 5 mg/m³ is suggested for oil mist.

13. Regulatory Information:

All components of this product are listed on the TSCA Inventory. This product does not contain a SARA Title 3 Section 313 and 40 CFR 372 reportable chemicals.

14. Transportation Information:

Not regulated under DOT, IMO or ICAO regulations.