Material Safety Data Sheet
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Version 1.70

Section 1 - Product and Company Information

Product Name: MINERAL OIL
Product Number: 4005
Brand: TRINITY
Company: Sigma-Aldrich
Street Address: 3050 Spruce Street
City, State, Zip, Country: SAINT LOUIS, MO 63103 US
Technical Phone: 314 771 5765
Emergency Phone: 414 273 3650 Ext. 5996
Fax: 800 325 5052

Section 2 - Composition/Information on Ingredient

Substance Name: MINERAL OIL
CAS #: 8042-47-5
SARA 313: No
EC No: 232-455-8
Formula:
Synonyms: Drakeol, Kaydol, Parol, Pereteek, Slab oil (Obs.), White mineral oil

Section 3 - Hazards Identification

HMIS Rating
Health: 0
Flammability: 0
Reactivity: 0

NFPA Rating
Health: 0
Flammability: 0
Reactivity: 0
For additional information on toxicity, please refer to Section 11.

Section 4 - First Aid Measures

Oral Exposure
If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Inhalation Exposure
If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Dermal Exposure
In case of contact, immediately wash skin with soap and copious amounts of water.

Eye Exposure
In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.
Section 5 - Fire Fighting Measures

Autoignition Temp: N/A

Extinguishing Media
Suitable
Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

Firefighting
Protective Equipment
Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Specific Hazard(s)
Emits toxic fumes under fire conditions.

Section 6 - Accidental Release Measures

Methods for Cleaning Up
Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.

Section 7 - Handling and Storage

Handling
User Exposure
Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

Storage
Suitable
Keep tightly closed.

Section 8 - Exposure Controls / PPE

Engineering Controls
Safety shower and eye bath. Mechanical exhaust required.

Personal Protective Equipment
Hand
Protective gloves.
Eye
Chemical safety goggles.

General Hygiene Measures
Wash thoroughly after handling.

Section 9 - Physical/Chemical Properties

Appearance
Physical State
Liquid

Molecular Weight: N/A

pH
N/A

BP/VP Range
N/A

MP/IMI Range
N/A

Freezing Point
N/A

Vapor Pressure
N/A

TRINITY - 4005
Sigma-Aldrich Corporation
www.sigma-aldrich.com
Vapor Density: N/A
Saturated Vapor Conc.: N/A
SG/Density: N/A
Bulk Density: N/A
Odor Threshold: N/A
Volatile%: N/A
VOC Content: N/A
Water Content: N/A
Solvent Content: N/A
Evaporation Rate: N/A
Viscosity: N/A
Partition Coefficient: N/A
Decomposition Temp.: N/A
Flash Point °F: N/A
Flash Point °C: N/A
Explosion Limits: N/A

Flammability: N/A
Autoignition Temp: N/A
Solubility: N/A

N/A = not available

Section 10 - Stability and Reactivity

Stability
  Stable
  Stable.

Materials to Avoid
  Strong oxidizing agents.

Hazardous Decomposition Products
  Hazardous Decomposition Products
  Carbon monoxide, Carbon dioxide.

Hazardous Polymerization
  Hazardous Polymerization
  Will not occur.

Section 11 - Toxicological Information

Route of Exposure
  Skin Contact
    May cause skin irritation.
  Skin Absorption
    May be harmful if absorbed through the skin.
  Eye Contact
    May cause eye irritation.
  Inhalation
    May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.
  Ingestion
    May be harmful if swallowed.

Signs and Symptoms of Exposure
  Ingestion of large doses will produce a laxative effect and may be irritating to the digestive tract. Aspiration into lungs will cause lipid pneumonia. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

RTECS Number: PY8047000

Chronic Exposure - Carcinogen
  Result: This product is or contains a component that is not classifiable to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.
Section 12 - Ecological Information

No data available.

Section 13 - Disposal Considerations

Appropriate Method of Disposal of Substance or Preparation
Contact a licensed professional waste disposal service to dispose of this material.
Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
Observe all federal, state, and local environmental regulations.

Section 14 - Transport Information

DOT
Proper Shipping Name: None
Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA
Non-Hazardous for Air Transport: Non-hazardous for air transport.

Section 15 - Regulatory Information

United States Regulatory Information
SARA Listed: No

TSCA Inventory Item: Yes

Section 16 - Other Information

Disclaimer
For R&D use only. Not for drug, household or other uses.

Warranty
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. Copyright 2005 Sigma-Aldrich Co. License granted to make unlimited paper copies for internal use only.
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