

KLEAROL White Mineral Oil

Date of issue: 12.07.2005

Sonneborn Refined Products B.V. urges the recipient of this Safety Data Sheet to study it carefully to become aware of hazards, if any, of the product involved. In the interest of safety you should (1) notify your employees, agents and contractors of the information on this sheet,(2) furnish a copy to each of your customers for the product, and (3) request your customers to inform their employees and customers as well.

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Identification of the substance or preparation

White Mineral Oil

Use of substance/preparation

Company identification

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Emergency telephone number

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2. COMPOSITION / INFORMATION ON INGREDIENTS

| INGREDIENT | % BY WEIGHT | HAZARD | DANGER SYMBOL(S) |
|--|-------------|--------|------------------|
| No hazardous ingredients CAS# - EINECS/ELINCS# - | | | |

3. HAZARDS IDENTIFICATION

Main hazards and effects:

None

4. FIRST AID MEASURES

Swallowing

Do not induce vomiting. Obtain medical attention immediately.

Inhalation

No emergency care anticipated.

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Skin contact

No emergency care anticipated.

Eye contact

Flush eyes thoroughly with water for several minutes. Obtain medical attention if discomfort persists.

Notes to physician

None

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable : Extinguish with:

- dry chemical
- carbon dioxide (in case of small fires)
- water fog
- foam
- sand or earth

Unsuitable : Do not use water jet.

Special fire fighting procedures

Do not direct a solid stream of water or foam into burning molten material; this may cause spattering and spread the fire.

Special protective equipment for firefighters

Self-contained breathing apparatus.

Unusual fire and explosion hazards

Following products may be produced during a fire: Oxides of carbon.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Wear suitable protective equipment.

Environmental precautions

Avoid runoff to sewers or waterways. Dike area of spill to prevent spreading and pump liquid to salvage tank. Waste: avoid washing into watercourses. Use methods consistent with local regulations or incinerate.

Methods for cleaning up

Dike to contain spill. Absorb on inert material such as sand, earth, vermiculite. Stop the leak if it can be done without risk.

7. HANDLING AND STORAGE

HANDLING

Do not handle at temperatures $> +60\text{ }^{\circ}\text{C}$

Ventilation

General (mechanical) room ventilation is expected to be satisfactory for use at room temperature.

STORAGE

Storage requirements

Keep away from heat, sparks and flame. Do not store at temperatures: $> 25\text{ }^{\circ}\text{C}$

Store protected from light

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMIT VALUES

| COMPONENT | COUNTRY | TYPE REMARK | VALUE |
|------------------|---------|---|----------------------|
| Mineral Oil Mist | | TWA (mist), ACGIH If used in way that generates a "mist" observe the limits for Mineral Oil Mist. | 5 mg/m ³ |
| | | STEL (mist), ACGIH | 10 mg/m ³ |

EXPOSURE CONTROLS

Respiratory protection

None expected to be needed.

Hand protection / protective gloves

Wear gloves impervious to this material

Eye protection

Safety glasses.

Faceshield

Skin protection

If any other protective measures for skin protection are recommended for this product, they will be mentioned under this topic.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

| | | |
|----------------|---|-----------|
| Physical state | : | Liquid |
| Color | : | Colorless |
| Odor | : | None |

Important health, safety and environmental information

| | | |
|------------------------|---|--|
| Flash point | : | > 170 °C Method: ASTM D93 |
| Upper explosion limits | : | Not determined |
| Lower explosion limits | : | Not determined |
| Vapor pressure | : | < 0,1 hPa at 20 °C |
| Density | : | 0,81 - 0,89 g/cm ³ at 20 °C |
| Bulk density | : | Not available |
| Solubility in water | : | Negligible |
| Kinematic viscosity | : | 7-10 mm ² /s at 40 °C |

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Other information

Melting point : Not applicable

Autoignition temperature : Not determined

10. STABILITY AND REACTIVITY

STABILITY

Stable.

Conditions to avoid

Avoid contact with: Strong oxidizing agents.

Incompatible materials

Strong oxidizing agents.

Hazardous combustion products

Combustion may produce the following products:

Carbon monoxide.

Carbon dioxide.

11. TOXICOLOGICAL INFORMATION

GENERAL

No evidence of harmful effects from available information.

12. ECOLOGICAL INFORMATION

White mineral oil will be inherently biodegradable in water under aerobic conditions, and will be ultimately biodegraded by micro-organisms (although the biodegradability of White Mineral Oil will necessarily be limited by its low solubility in water).

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations or incinerate.

14. TRANSPORT INFORMATION

ADR/RID

This product is not regulated by ADR.

IMDG

This product is not regulated by IMDG.

ICAO

This product is not regulated by ICAO.

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15. REGULATORY INFORMATION

EC classification

According to EC-regulations this product is not classified or labelled.

Chemical Inventory

Europe : This product is on the EINECS inventory.

16. OTHER INFORMATION

Recommended uses and restrictions

Please consult the product and/or application information bulletins for this product.

Further information

Where appropriate, use CEN approved personal protection equipment. For further information see the webpage http://europe.eu.int/comm/enterprise/newapproach/standardization/harms_tds/reflist/ppe.html MAY BE ON THE INVENTORY LIST BUT NOT NECESSARILY REGISTERED, (Korea, China, New Zealand) CONSULT REGULATORY SPECIALIST.

|| A vertical line in the left margin of the report indicates a change compared to the previous version.

This Safety Data Sheet conforms to EC Directive 91/155 and amendments.

The opinions expressed herein are those of qualified experts within Sonneborn Refined Products B.V.. We believe that the information contained herein is current as of the date of this Safety Data Sheet. Since the use of this information and of these opinions and the conditions of use of this product are not within the control of Sonneborn Refined Products B.V., it is the user's obligation to determine the conditions of safe use of the products.