

PETRONATE HL/L

Date of issue: 01.12.2010

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

Sodium Sulfonate

Use of substance/preparation

This oil soluble Sodium Sulfonate is used in soluble oils and semi-synthetic fluids to improve emulsion properties

Company Identification

Sonneborn Refined Products B.V.

Mainhavenweg 6

1043 AL Amsterdam

The Netherlands

Tel: +31-20-6117475

2. HAZARDS IDENTIFICATION

GHS Classification : Category 2: Serious eye irritation, Label: GHS07, Signal word: Warning

Human Health Hazards : H319: causes serious eye irritation

Physico-chemical and environmental hazards and effects: None

3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	% BY WEIGHT	HAZARD	DANGER SYMBOL(S)
Sodium Sulfonate	100 %	H319	GHS07

4. FIRST AID MEASURES

Fax: +31-20-6111170

E-mail: QEHS@sonneborn.com

Emergency Telephone number

Tel.: +31.20.611.74.75

Swallowing

Do not induce vomiting. Rinse mouth with water. Obtain medical attention.

Inhalation

Remove to fresh air. Obtain medical attention.

Skin contact

Remove contaminated clothing. Wash thoroughly with warm water using a mild soap. Obtain medical attention if irritation persists.

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Eye contact

Immediately flush eyes with water and continue washing for several minutes. Obtain medical attention if irritation persists.

Notes to physician

None

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable : Large fires:
- alcohol-type foam or universal-type foams
Small fires:
- CO2
- dry chemical

Unsuitable : - water jets

Special fire fighting procedures

Do not discharge extinguishing waters into streams, rivers and lakes.

Special protective equipment for firefighters

Body covering protective clothing, full "turn-out" gear. Self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Wear suitable protective equipment. Avoid contact with eyes and skin.

Environmental precautions

Prevent from entering sewer system, surface water or soil.

Methods for cleaning up

Small spills : Absorb on inert material such as sand, earth, vermiculite.
Collect for disposal.

Large spills : Dike to contain spill.
Pump excess material into suitable container (metal drums, metal tank, or such).

7. HANDLING AND STORAGE

HANDLING**Advice on safe handling**

Do not get in eyes. Avoid prolonged or repeated contact with skin. Avoid breathing vapor. Use with adequate ventilation. Wash thoroughly after handling.

Ventilation

General (mechanical) room ventilation is expected to be satisfactory. Special, local ventilation is needed at points where vapors can be expected to escape to the workplace air.

STORAGE**Storage requirements**

Store in a cool, dry place.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMIT VALUES

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

OCCUPATIONAL EXPOSURE CONTROLS

Respiratory protection

Self-contained breathing apparatus in high vapor concentrations.

Hand protection / protective gloves

Chemical resistant protective gloves

Eye protection

Safety glasses with side shields.

Faceshield

Skin protection

Wear protective clothing, such as long sleeves to minimize skin contact.

Other protective equipment

Eye bath

Safety shower

Environmental Exposure Controls:

Store in a second containment to catch leakages

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state	:	Viscous liquid
Color	:	Brown
Odor	:	Mild petroleum

Important health, safety and environmental information

Boiling point	:	100 °C water present
Flash point	:	> 180 °C Method: Cleveland open cup ASTM D 92
Vapor pressure	:	Negligible
Relative Density	:	> 1,00 at 16 °C
Solubility in water	:	May emulsify
Solubility in organic solvents	:	Partially soluble

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Partitioning coefficient : No data available.

Kinematic viscosity : > 30 mm²/s at 40 °C

Other information

Percent volatiles : < 5 %(m)

10. STABILITY AND REACTIVITY

STABILITY

This product is stable under normal storage and handling conditions.

Conditions to avoid

Extremes of temperature

Materials to avoid

Strong acids. Strong bases. Oxidizing agents.

Hazardous decomposition products

No hazardous decomposition products to be formed during normal storage
Combustion may produce irritating fumes, carbon monoxide and/or carbon dioxide.

POLYMERIZATION

Will not occur.

11. TOXICOLOGICAL INFORMATION

SWALLOWING

Chronic effects

No data available.

Test results

Acute toxicity : LD50 - Rat
Result: > 6.000 mg/kg
Test results are based on analogy with a similar material.

SKIN CONTACT

Acute effects

May cause irritation.

EYE CONTACT

Acute effects

May cause serious eye irritation.

12. ECOLOGICAL INFORMATION

No information available.

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13. DISPOSAL CONSIDERATIONS

Incinerate in a furnace where permitted under national and local regulations. Avoid discharge to sewers and natural waters.

Non-cleaned packages

Empty drums should be decontaminated and either passed to an approved drum reconditioner or destroyed. Containers that cannot be cleaned must be treated as waste.

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.

15. REGULATORY INFORMATION

CLP/GHS classification

- Danger symbol(s) : GHS-classification: Category 2: Serious eye irritation, Label: GHS07,
Signal word: Warning
- Risk phrases : H319: causes serious eye irritation
- Safety phrases : P264: Wash hands thoroughly after handling
P280: Wear eye protection
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313: If eye irritation persists: Get medical advice/attention.
- Contains : Oil Soluble Sodium Sulfonate

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 CE approved personal protection equipment.

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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 1907/2006 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.