

PETRONATE HL/L

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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
Fax: +31-20-6111170
E-mail: QEHS@sonneborn.com

Emergency Telephone number

Tel.: +31.20.611.74.75

2. HAZARDS IDENTIFICATION

CLP/GHS classification

- Danger symbol(s) : GHS-classification: Category 2: Serious eye irritation, Label: GHS07,
Signal word: Warning
- Human Health Hazard : 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.

EC Classification

- Danger Symbol (s) : Xi
- Risk phrases : R41 Risk of serious damage to eyes
- Safety phrases : S26 in case of contact with eyes, rinse immediately with plenty of water
and seek medical advice
S39 Wear eye/face protection
- Contains : Oil soluble Sodium Sulfonate

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3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	% BY WEIGHT	HAZARD	DANGER SYMBOL(S)
Sodium Sulfonate CAS No. : 68608-26-4 EINECS No.: 271-781-5	50 – 65%	R 41	Xi
Mineral Oil	35-40 %	--	--

REACH Registration no.: 01-2119527859-22-0000

4. FIRST AID MEASURES

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.

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,

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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.

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

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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

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.

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SKIN CONTACT

Acute effects

May cause irritation.

EYE CONTACT

Acute effects

May cause serious eye irritation.

12. ECOLOGICAL INFORMATION

No information available.

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

WGK : 2, KBwS Classification

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.

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.

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This Safety Data Sheet conforms to EC Regulation 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.