

Product name: PETRONATE® HL Sodium Sulfonate

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: PETRONATE® HL Sodium Sulfonate

Chemical name: Oil Soluble Sodium Sulfonate

Supplier: Sonneborn, Inc.
575 Corporate Drive, Suite 415
Mahwah, NJ 07430 USA

Emergency telephone number: CHEMTREC (24 hours) 800-424-9300
Sonneborn, Inc. Emergency Response
(24 hours) 724-756-2210

For MSDS, Product Safety, or regulatory inquiries, call: 877-948-2688

Customer Service: 877-948-2688

2. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS#	CONCENTRATION
Sodium Sulfonate	68608-26-4	50.0 - 65.0 %

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING!
CAUSES EYE IRRITATION.

4. FIRST AID MEASURES

Swallowing

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

Skin

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

Inhalation

Remove to fresh air. Obtain medical attention.

Eye contact

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

5. FIRE-FIGHTING MEASURES

Flash point:	> 180 °C (> 350 °F)
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Flammable limits

Lower limit:	Not determined
Upper limit:	Not determined

Autoignition temperature: Not determined

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.

Extinguishing media

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

Unsuitable: - water jets

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

Observe government regulations.

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).

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7. HANDLING AND STORAGE

HANDLING

Handling precautions

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

STORAGE

Storage requirements

Store in a cool, dry place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTION

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.

Skin protection

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

Other protective equipment

Eye bath

Safety shower

ENGINEERING CONTROLS

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.

EXPOSURE LIMITS

<u>Component</u>	<u>Type</u>	<u>Value</u>	<u>Remark</u>
Mineral Oil Mist	TWA (mist), ACGIH	5.0 mg/m ³	If used in way that generates a "mist" observe the limits for Mineral Oil Mist.
	STEL (mist), ACGIH	10.0 mg/m ³	

9. PHYSICAL AND CHEMICAL PROPERTIES

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APPEARANCE

Physical state	Viscous liquid
Color	Brown
Odor	Mild petroleum
Odor threshold	No data available.

OTHER PROPERTIES

Boiling point	100 °C at STP unless specified below. water present
Melting point	Not determined
pH	Not determined
Specific gravity (H₂O=1)	> 1 at 16 °C
Vapor pressure	Negligible
Vapor density (air=1)	Not determined
Solubility in water	May emulsify
Solubility in organic solvents	Partially soluble
Evaporation rate (Butyl Acetate=1)	Not determined
Partitioning coefficient	No data available.
Flash point	> 180 °C (> 350 °F) Method: Cleveland open cup ASTM D 92
Autoignition temperature	Not determined
Upper explosion limits	Not determined
Lower explosion limits	Not determined
Percent volatiles	< 5 %(m) Water.
Kinematic viscosity	> 30 mm ² /s at 40 °C
Explosive properties	No data available.

10. STABILITY AND REACTIVITY

Stability: This product is stable under normal storage and handling conditions.

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Incompatible materials

Strong acids.
Strong bases.
Oxidizing agents.

Hazardous combustion products

Irritating fumes.
Oxides of carbon.
Oxides of nitrogen.

Hazardous polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

SWALLOWING

Chronic effects

No data available.

Test results

Acute toxicity: LD50 - Rat
Result: > 6,000 mg/kg
Remark: Test results are based on analogy with a similar material.

SKIN CONTACT

Acute effects

May cause irritation.

EYE CONTACT

Acute effects

Causes severe irritation.

12. ECOLOGICAL INFORMATION

No information available.

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13. DISPOSAL CONSIDERATIONS

General: Dispose of in accordance with appropriate Federal, State, 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.

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14. TRANSPORT INFORMATION

DOT Classification

Not regulated by ground or rail if shipped or transported at temperatures under 212 °F (100 °C) or in containers less than 450 liters (119 US gal). If shipped or transported at temperatures over 100°C (212°F) and in containers greater than 450 liters (119 gal) regulated as: ELEVATED TEMPERATURE LIQUID, N.O.S., Class 9, UN 3257, PGIII, ERG 128.

Freight description road: 65 PETROLEUM OIL, N.O.I.B.N

IMDG Classification

This product is not regulated by IMDG.

ICAO Classification

This product is not regulated by ICAO. This product is not regulated by ICAO.

15. REGULATORY INFORMATION

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40CFR372 (for SARA 313). This information must be included in MSDS's that are copied and distributed for this material.

Components present in this product at a level which could require reporting under the statute are:

**** NONE ****

New Jersey Worker and Community Right-To-Know Act (Labeling Requirements)

Chemical name	CAS#	New Jersey TS Number
Sodium Sulfonate	68608-26-4	

EPA Hazard Categories (SARA 311, 312): None

CHEMICAL INVENTORY

Canada: The ingredients of this product are on the DSL.

Europe: The ingredients of this mixture are on the EINECS inventory.

United States: The ingredients of this product are on the TSCA inventory.

Australia: The ingredients of this product are on the AICS inventory.

China: The ingredients of this product are on the IECSC inventory.

Japan: The ingredients of this product are on the ENCS inventory.

Korea: The ingredients of this product are on the ECL.

Philippines: The ingredients of this product are on the PICCS.

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16. OTHER INFORMATION

FURTHER INFORMATION

MAY BE ON THE INVENTORY LIST BUT NOT NECESSARILY REGISTERED, (Korea, China, New Zealand) CONSULT REGULATORY SPECIALIST.

HMIS RATING

Health: 2	Flammability: 1	Reactivity: 0	PPI: -
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LEGEND

STP	Standard temperature and pressure
W/W	Weight/Weight
0 (HMIS)	Minimal hazard
1 (HMIS)	Slight hazard
2 (HMIS)	Moderate hazard
3 (HMIS)	Serious hazard
4 (HMIS)	Severe hazard
X (HMIS)	Personal protection rating to be supplied by user depending on use conditions

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