

### PETRONATE<sup>®</sup> HH Sodium Sulfonate

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Revision Date: 5/29/2015 Version: 5 Issue Date: 6/4/2015

Sonneborn, LLC 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 of 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.

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

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### Identification of the substance or preparation

Sodium Petroleum Sulfonate

### Use of substance/preparation:

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

### Company identification

Sonneborn, LLC  
600 Parsippany Road, Suite 100  
Parsippany, NJ 07054 USA

### Emergency telephone number

Chemtrec (24hrs): 800-424-9300  
Sonneborn: 724-756-2210

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## 2. HAZARDS IDENTIFICATION

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GHS Classification : Category 2: Serious eye irritation, Label: GHS 07, Signal word: Warning  
Human Health Hazards : H319; causes serious eye irritation  
Physico-chemical and environmental hazards and effects: None



**WARNING!**  
CAUSES EYE IRRITATION.

### HMIS RATING USA

Health: 2	Flammability: 1	Reactivity: 0	PPI: -
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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

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INGREDIENT	% BY WEIGHT	CAS #	HAZARD	DANGER SYMBOL(S)
Sodium Petroleum Sulfonate	30 – 70	68608-26-4	H319	GHS07

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### 4. FIRST AID MEASURES

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**Swallowing**

Do not induce vomiting. Rinse mouth with water. Obtain medical attention immediately. This is not a toxic substance.

**Inhalation**

Remove to fresh air. Obtain medical attention.

**Skin**

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 for several minutes. Obtain medical attention if discomfort persists.

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### 5. FIRE-FIGHTING MEASURES

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<b>Flash Point:</b> >93.4°C (>200°F) PMCC ASTM D93, This product contains water and may cause foaming when heated above 200°F.
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**NFPA CLASSIFICATION USA**

Health: 2	Flammability: 1	Reactivity: 0	Special provisions: -
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**Extinguishing media**

Suitable: Extinguish with:  
- dry chemical  
- carbon dioxide (in case of small fires)  
- foam

Unsuitable: Do not use water jet. Oil will float on water and can spread any fire.

**Special fire fighting procedures**

Do not discharge extinguishing waters into streams, rivers and lakes. This product may emulsify with water.

**Special protective equipment for firefighters**

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

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### 6. ACCIDENTAL RELEASE MEASURES

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**Personal precautions**

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

**Environmental precautions**

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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

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)

## 7. HANDLING AND STORAGE

### HANDLING

Do not get in eyes. Avoid prolonged or repeated contact with skin. Avoid breathing vapor. Use with adequate ventilation. Wash thoroughly after handling. Do not handle at temperatures  $>+40^{\circ}\text{C}$ , unless wearing appropriate protective equipment.

### Ventilation

General (mechanical) room ventilation is expected to be satisfactory for use at room temperature. When hot, special local ventilation may be required at points where vapors can be expected to escape into the workplace air.

### STORAGE

#### Storage requirements

Keep away from heat, sparks and flame. Do not store at temperatures:  $>+40^{\circ}\text{C}$  without proper safety review of storage equipment. Store protected from light.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### EXPOSURE LIMIT VALUES

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

### 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. Face shield for elevated temperature handling.

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### Skin protection

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

### Other protective equipment

Eye wash, safety shower

### Environmental Exposure Controls:

Store in a second containment to catch leakages

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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### Appearance

Physical State:	Viscous Liquid
Color:	Brown
Odor:	Mild Petroleum
Odor Threshold:	N/A

### Important health, safety and environmental information

Flammability	No Data
Evaporation Rate	No Data
Decomposition Temperature	No Data
Flash Point:	>93.4°C (>200°F) PMCC ASTM D93, This product contains water and may cause foaming when heated above 200°F
Upper explosion limits:	Not determined
Lower explosion limits:	Not determined
Vapor Pressure:	Negligible
Bulk Density:	Not available
Solubility in Water:	May emulsify
Solubility in organic solvents:	Partially soluble
Kinematic viscosity:	> 30 mm <sup>2</sup> /s at 40°C
Boiling Point:	100°C water present
PH:	Not determined
Specific gravity (H <sub>2</sub> O=1)	> 1.00 @ 16°C
Partitioning coefficient	No data available.
Vapor Density:	N/A
Percent volatiles	< 5%(m) water
Autoignition Temperature:	Not determined
Melting Point:	Not determined

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## 10. STABILITY AND REACTIVITY

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

**Conditions/Materials to avoid:** Extreme temperatures.

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**Incompatible materials**

Strong acids, Strong bases, Oxidizing agents.

**Hazardous combustion products**

Irritating fumes, Oxides of carbon, Oxides of nitrogen, oxides of sulfur.

**Hazardous polymerization:** Will not occur.

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### 11. TOXICOLOGICAL INFORMATION

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#### 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**

May cause serious eye irritation.

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### 12. ECOLOGICAL INFORMATION

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No information available

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### 13. DISPOSAL CONSIDERATIONS

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**General:** 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.

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### 14. TRANSPORT INFORMATION

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**ADR/RID/IMDG/ICAO**

This product is not regulated by ADR / RID / IMDG / ICAO.

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### 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.

## 15. REGULATORY INFORMATION

### GHS classification

**Danger symbol(s):** GHS – classification: Category 2: Serious eye irritation, Label: GHS 07, 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

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 SDS'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

**WHMIS Classification:** This product is not a WHMIS controlled product.

### Chemical Inventory

Canada: The ingredients of this product are on the DSL.  
Europe: The ingredients of this product 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: This product is on the IECSC inventory.  
Japan: The ingredients of this product are on the ENCS inventory.  
Korea: This product is listed on the Existing Chemicals List (ECL).

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Philippines: This product is on the PICCS.

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## 16. OTHER INFORMATION

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### **Recommended uses and restrictions**

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

### **Further information, Europe**

Where appropriate, use CE approved personal protection equipment.

### **Further information**

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

This Safety Data Sheet conforms to EC Directive 1907/2006 and amendments.

The opinions expressed herein are those of qualified experts within Sonneborn, LLC. 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, LLC it is the user's obligation to determine the conditions of safe use of the products.