

# SAFETY DATA SHEET

Revision date 2015-04-11

Revision number 1

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

### Product identifier

**Product name** GEOwet BNS Powder

### Other means of identification

**Product code** 9268A

**Synonyms** Alkyl Naphthalene Sulfonate, Sodium Salt

### Recommended use of the chemical and restrictions on use

**Recommended use [RU]** No information available

**Uses advised against** No information available

### Details of the supplier of the safety data sheet

**Supplier** GEO Specialty Chemicals, Inc.  
701 Wissahickon Avenue  
Cedartown, GA 30125  
Phone: +1-770-748-1200  
Hours: Monday-Friday 9:00-5:00 EST (Eastern Standard Time)

### Emergency telephone number

**24 Hour Emergency Phone Number** CHEMTREC: (800) 424-9300  
Outside USA - +1 (703) 527-3887 collect calls accepted

**Contact Point** safety-data-sheet-fp@geosc.com

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

<b>Skin corrosion/irritation</b>	Category 2
<b>Serious eye damage/eye irritation</b>	Category 2

### GHS Label elements, including precautionary statements

#### **EMERGENCY OVERVIEW**

<b>Physical state</b> solid	<b>Color</b> tan	<b>Appearance</b> fine powder	<b>Odor</b> bland
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**WARNING****Hazard statements**

Causes skin irritation

Causes serious eye irritation

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

If eye irritation persists: Get medical advice/attention

IF ON SKIN: Wash with plenty of soap and water

If skin irritation occurs: Get medical advice/attention

Take off contaminated clothing and wash before reuse

**Other information**

- May be harmful if swallowed

**Unknown acute toxicity**

- 65 - 70% of the mixture consists of ingredient(s) of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS-No	weight-%	TRADE SECRET
Butylnaphthalene Sulfonic Acid, Sodium Salt	25638-17-9	65 - 70%	*
Sodium Sulfate	7757-82-6	13 - 20%	*
Dibutyl-naphthalene Sulfonic Acid, Sodium Salt	25417-20-3	10 - 15%	*
Water	7732-18-5	< 3.0%	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret

**4. FIRST AID MEASURES****First Aid Measures****Eye contact**

Remove contact lenses, if worn. Immediately flush with plenty of water for at least 15 minutes, holding eyelids apart to ensure flushing of the entire surface. Washing within one minute is essential to achieve maximum effectiveness. Get medical attention if irritation develops and persists.

**Skin contact**

Immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

**Ingestion**

Do NOT induce vomiting. If vomiting should occur spontaneously, keep airway clear. Never give anything by mouth to an unconscious person. Get medical attention.

**Inhalation**

Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

**Most important symptoms and effects, both acute and delayed****Acute effects**

Irritating to eyes and skin.

**Chronic effects**

May aggravate existing skin, eye and lung conditions.

**Indication of any immediate medical attention and special treatment needed****Note to physicians**

Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Extinguishing media****Suitable extinguishing media**

Water fog, carbon dioxide, foam, dry chemical.

**Extinguishing media which must not be used for safety reasons**

No information available

**Special hazards arising from the substance or mixture****Special Hazard**

Solutions extremely slippery when spilled.

**Advice for firefighters****Firefighting measures**

Cool exposed containers with water spray after extinguishing fire.

**Special protective equipment for firefighters**

Full protective clothing and approved self-contained breathing apparatus required for firefighting personnel.

**Explosion data****Sensitivity to Mechanical Impact**

None.

**Sensitivity to Static Discharge**

None.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures****Personal precautions**

Wear suitable protective clothing and gloves.

**Environmental precautions****Environmental precautions**

Avoid runoff to waterways and sewers.

**Methods and material for containment and cleaning up****Methods for containment**

Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up**

Clear spills immediately. Clean up large spills with vacuum truck. Sweep up and shovel into suitable containers for disposal. Spills of solution are extremely slippery so all residue must be removed promptly. Ventilate area of leak or spill.

## 7. HANDLING AND STORAGE

**Precautions for safe handling****Advice on safe handling**

Keep container closed when not in use

Avoid creating dust

Avoid contact with eyes, skin and clothing

Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing.

Wash thoroughly after handling

Use with adequate ventilation and employ respiratory protection where a dust atmosphere may be generated.

Do not take internally

FOR INDUSTRIAL USE ONLY.

**Conditions for safe storage, including any incompatibilities****Technical measures and storage conditions**

Do not store below 50° F (10° C).

**Incompatible products**

Oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters****Exposure Guidelines**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

**Appropriate engineering controls****Engineering controls**

Local exhaust ventilation as necessary to maintain exposures to within applicable limits. Please refer to the ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", most recent edition, for details. If there are no applicable or established exposure limit requirements or guidelines, general ventilation should be sufficient.

**Individual protection measures, such as personal protective equipment****Eye/face Protection**

Dust protection eye glasses.

**Hand Protection**

Appropriate chemical resistant gloves should be worn.

**Skin and body protection**

Standard work clothing and work shoes.

**Respiratory protection**

If exposures exceed the PEL or TLV, use NIOSH/MSHA approved respirator in accordance with OSHA Respiratory Protection Requirements under 29 CFR 1910.134. If there are no applicable or established exposure limit requirements or guidelines, general ventilation should be sufficient.

**Other personal protection data**

Eyewash fountains and safety showers must be easily accessible.

**Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

<b>Physical state</b>	solid
<b>Color</b>	tan
<b>Appearance</b>	fine powder
<b>Odor</b>	bland
<b>Odor threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks / Method</u>
<b>pH</b>	7.0 - 9.0	solution (10 %)
<b>Melting / freezing point</b>	No information available	No information available
<b>Boiling point / boiling range</b>	> 100 °C / > 212 °F	No information available
<b>Flash point</b>	No information available	No information available
<b>Evaporation rate</b>	No information available	No information available
<b>Flammability (solid, gas)</b>	No information available	No information available
<b>Flammability Limit in Air</b>		
Upper flammability limit	No information available	No information available
Lower flammability limit	No information available	No information available
<b>Vapor pressure</b>	No information available	No information available
<b>Vapor density</b>	No information available	No information available
<b>Specific gravity</b>	No information available	No information available
<b>Solubility (water)</b>	clear	solution (20 %)
<b>Solubility in other solvents</b>	No information available	No information available
<b>Partition coefficient: n-octanol/water</b>	No information available	No information available
<b>Autoignition temperature</b>	No information available	No information available
<b>Decomposition temperature</b>	No information available	No information available
<b>Kinematic viscosity</b>	No information available	No information available
<b>Dynamic viscosity</b>	No information available	No information available

**Other information**

<b>Density</b>	No information available
<b>Bulk Density</b>	No information available
<b>Explosive properties</b>	No information available.
<b>Oxidizing properties</b>	No information available
<b>Softening point</b>	No information available
<b>Molecular weight</b>	Not applicable
<b>Volatile organic compounds (VOCs) content</b>	No information available

Percent Volatile, wt. %	3% max moisture
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## 10. STABILITY AND REACTIVITY

### Reactivity

**Reactivity**

No data available.

### Chemical stability

**Chemical stability**

Stable under normal conditions of handling, use and transportation.

### Possibility of hazardous reactions

**Possibility of hazardous reactions**

None under normal processing.

**Hazardous polymerization**

Not anticipated under normal or recommended handling and storage conditions.

### Conditions to avoid

**Conditions to avoid**

None.

### Incompatible materials

**Materials to avoid**

Oxidizing agents.

### Hazardous decomposition products

**Hazardous decomposition products**

Sulphur oxides. Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

**Eye contact**

Can cause moderate to severe irritation.

**Skin contact**

Irritating to skin.

**Ingestion**

May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Inhalation**

Inhalation of dust may cause irritation of the respiratory system.

### Acute toxicity - Product Information

Oral LD50	> 2,000 mg/kg
Dermal LD50	No information available
Inhalation LC50	No information available

**Acute toxicity - Component Information**

Component	weight-%	Oral LD50	Dermal LD50	Inhalation LC50
Sodium Sulfate 7757-82-6	13 - 20%	> 10000 mg/kg ( Rat )	--	--
Dibutyl-naphthalene Sulfonic Acid, Sodium Salt 25417-20-3	10 - 15%	= 1250 mg/kg ( Rat )	--	--

**Information on toxicological effects****Symptoms**

No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Skin corrosion/irritation**

Irritating to skin

**Serious eye damage/eye irritation**

Causes serious eye irritation

**Sensitization**

No information available

**Germ cell mutagenicity**

No information available

**Carcinogenicity**

This product does not contain any components in concentrations greater than or equal to 0.1% that are listed as known or suspected carcinogens by NTP, IARC, ACGIH, or OSHA.

**Reproductive toxicity**

No information available

**Specific target organ toxicity - Single exposure**

No information available.

**Specific target organ toxicity - Repeated exposure**

No information available

**Aspiration hazard**

No information available.

**Numerical measures of toxicity - Product Information**

- 65 - 70% of the mixture consists of ingredient(s) of unknown toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 2858 mg/kg

**Other information**

Conclusions are drawn from sources other than direct testing.

**12. ECOLOGICAL INFORMATION****Ecotoxicity****Acute aquatic toxicity - Product Information**

Fish No information available

**Crustacea** No information available

**Algae/aquatic plants** No information available

#### Acute aquatic toxicity - Component Information

Component	weight-%	Algae/aquatic plants	Fish	Toxicity to daphnia and other aquatic invertebrates
Sodium Sulfate 7757-82-6	13 - 20%	--	LC50 (96 h ) 13500 - 14500 mg/L (Pimephales promelas) LC50 (96 h ) = 13500 mg/L (Lepomis macrochirus) LC50 (96 h static) 3040 - 4380 mg/L (Lepomis macrochirus) LC50 (96 h static) > 6800 mg/L (Pimephales promelas)	EC50 (96 h ) = 630 mg/L (Daphnia magna) EC50 (48 h ) = 2564 mg/L (Daphnia magna)

#### Persistence and degradability

**Persistence and degradability**  
No information available

#### Bioaccumulative potential

**Bioaccumulative potential**  
No information available

#### Mobility

**Mobility**  
No information available

#### Results of PBT and vPvB assessment

**PBT and vPvB assessment**  
No information available

#### Other adverse effects

**Other information**  
No other ecological studies have been carried out on this product.

### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods

##### **Disposal of wastes**

Do not put solutions containing this product into sewer systems. Dispose of product in an approved chemical waste landfill or incinerate in accordance with applicable Federal, state and local regulations.

##### **Contaminated packaging**

Since empty containers retain product residue, follow label warnings even after container is emptied.

### 14. TRANSPORT INFORMATION

**DOT** Not regulated

**ICAO/IATA** Not regulated

**IMDG** Not regulated



**Harmonized Tariff Number** 3402.11

## 15. REGULATORY INFORMATION

### International Inventories

**TSCA (United States)**

All ingredients are on the inventory or exempt from listing

**Australia (AICS)**

All ingredients are on the inventory or exempt from listing

**Canada (DSL)**

All ingredients are on the inventory or exempt from listing

**Canada (NDSL)**

None of the ingredients are on the inventory.

**China (IECSC)**

All ingredients are on the inventory or exempt from listing

**EINECS (European Inventory of Existing Chemical Substances)**

All ingredients are on the inventory or exempt from listing

**ELINCS (European List of Notified Chemical Substances)**

None of the ingredients are on the inventory.

**ENCS (Japan)**

All ingredients are on the inventory or exempt from listing

**South Korea (KECL)**

All ingredients are on the inventory or exempt from listing

**Philippines (PICCS)**

All ingredients are on the inventory or exempt from listing

### Legend

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**AICS** - Australian Inventory of Chemical Substances

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**IECSC** - China Inventory of Existing Chemical Substances

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

### U.S. Federal Regulations

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**SARA 311/312 Hazard Categories**

Acute health hazard

Yes

Chronic health hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive hazard	No

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**U.S. State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

Sodium Sulfate 7757-82-6	
Massachusetts Right to Know Law	Present (solution)
Pennsylvania Right to Know List	Environmental hazard (solution)

**16. OTHER INFORMATION**

<b>NFPA Rating</b>	Health - 2	Flammability - 1	Instability - 0	Special Hazard -
<b>HMIS Rating</b>	Health - 2	Flammability - 1	Physical hazard - 0	Personal protection - X

<b>Product code</b>	9268A
<b>Revision date</b>	2015-04-11
<b>Revision number</b>	1

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet