

# SAFETY DATA SHEET



## 1. IDENTIFICATION

### Product identifier

**Product Name** BSI275 Concentrated Liquid Warewashing Detergent

### Other means of identification

**Synonyms** Warewashing Detergent

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

**Recommended use** Industrial Use – For use as a dilutable manual dishwash detergent in a professional environment.

**Uses advised against** Not intended for use in dish washing machines.

### Distributor Address

**Best Sanitizers, Inc.**  
PO Box 1360  
Penn Valley, CA 95946  
Toll Free: 888-225-3267

### Emergency telephone number

**Emergency Phone Numbers** For Transportation Emergencies,  
call Chemtrec: 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### Classification

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

<u>Health hazards</u>	
Skin Corrosion/Irritation	Category 2
Serious eye damage / eye irritation	Category 1

**Signal word** Danger

### Hazard statements

H315 – Causes skin irritation.

H318 – Causes serious eye damage.

**Appearance** Clear/Blue

**Physical State** Liquid

**Odor** None

### Precautionary Statements - Prevention

P264 – Wash hands thoroughly after handling.

P280 – Wear protective gloves/protective clothing/eye protection.

### Precautionary Statements - Response

P302+352 – IF ON SKIN: Wash with plenty of soap and water.

P362+364 – Take off contaminated clothing and wash it before reuse.

P332+313 – If skin irritation occurs, get medical advice/attention.

P305+351+338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 – Immediately call a POISON CENTER or doctor/physician.

### **Hazards not otherwise classified (HNOC)**

The hazard information provided is for the product as supplied as a concentrate. The recommended dilution is 1:32 – 1:40. Apply by directly pouring and manually dilute or via a dilution machine. Allow objects to soak before scrubbing and rinsing. Intended for , but not limited to 3-sink systems.

## **3. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Chemical Name</b>	<b>CAS No.</b>	<b>Weight %</b>
Sodium C14-16 olefin sulfonate	68439-57-6	2.00
Sodium Lauryl Sulfate	68585-47-7	2.71
Sodium Laureth Sulfate	685858-34-2	5.70
Cocamidopropyl betaine	61789-40-0	2.28
Lauramine Oxide	308062-28-4	1.92
Sodium Xylenesulfonate	1300-72-7	2.50

## **4. FIRST AID MEASURES**

### **First aid measures**

#### **Eye Contact**

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eye lids. Remove contact lenses, if present and easy to do after 5 minutes and continue rinsing for an additional 15 minutes. Get medical attention immediately.

#### **Skin Contact**

Wash off immediately with soap and plenty of water. Wash clothing before reuse. Get medical aid if irritation develops and persists.

#### **Inhalation**

No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If breathed in, move person into fresh air. If breathing is difficult, give oxygen. Get medical aid if irritation develops and persists.

#### **Ingestion**

Do NOT induce vomiting or give anything by mouth to an unconscious or convulsing person. Rinse mouth with water. Get medical aid.

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

#### **Most Important Symptoms and Effects**

See Section 11 for information.

### **Indication of any immediate medical attention and special treatment needed**

#### **Notes to Physician**

Show this safety data sheet to the doctor in attendance.

## **5. FIRE-FIGHTING MEASURES**

### **Suitable Extinguishing Media**

Dry chemical, Carbon Dioxide (CO<sub>2</sub>), Water Spray or Regular foam.

**Unsuitable extinguishing media** No information available.

### **Specific Hazards Arising from the Chemical**

No information available.

**Hazardous combustion products** Fire conditions can result in the formation of Carbon Monoxide and Carbon Dioxide, and Oxides of Nitrogen, Sulfur, and Sodium.

### **Explosion data**

**LEL:** No Data      **UEL:** No Data

**Autoignition Pt:** No Data

**Flammable properties and Hazards** Move container from fire area if it can be done without risk.

### **Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand. MSHA/NIOSH (approved or equivalent) and full protective gear.

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## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

#### Personal precautions

Use personal protection recommended in Section 8.

#### Form emergency responders

Isolate area. Keep unnecessary personnel away.

#### Environmental precautions

#### Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter storm drains, storm sewers, watersheds or water systems unless authorized.

#### 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

Spills/Leaks: Provide ventilation. Clean up spills immediately, observing precautions in the Protective Equipment section. Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Dispose of absorbed material in accordance with regulations.

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## 7. HANDLING AND STORAGE

### Precautions for safe handling

#### Advice on safe handling

Wash thoroughly after handling. Avoid contact with skin and eyes. The hazard information provided is for the product as supplied as a concentrate. The recommended dilution is 1:32 – 1:40. Apply by directly pouring and manually dilute or via a dilution machine. Allow objects to soak before scrubbing and rinsing. Intended for, but not limited to 3-sink systems. For use as a dilutable manual dishwash detergent in a professional environment.

### Conditions for safe storage, including any incompatibilities

#### Storage Conditions

Store in a dry area. Store away from incompatible materials listed in Section. 10. Protect containers against damage.

#### Other Precautions:

Handle in accordance with good industrial hygiene and safety practices. Keep out of reach of children.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

Do not let product enter storm drains, storm sewers, watersheds or water systems unless authorized.

### Appropriate engineering controls

#### Engineering Measures

Respirator protection is not normally required.

### Individual protection measures, such as personal protective equipment

#### Eye/Face Protection

Safety glasses, chemical goggles, and/or face shield should be worn.

#### Skin and Body Protection

Wear appropriate gloves/protective clothing to prevent skin exposure.

#### Respiratory Protection

There are no special ventilation requirements. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to minimize exposure levels.

#### General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of work day.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

<b>Physical State</b>	Liquid	<b>Odor</b>	No apparent odor.
<b>Appearance</b>	Liquid	<b>Odor Threshold</b>	No information available
<b>Color</b>	Clean/Blue		
<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks/ Method</u></b>	
<b>pH</b>	8.5-10	@20.0C (68.0F)	
<b>Melting/freezing point</b>	No data available	None known	
<b>Boiling point / boiling range</b>	No data available	None known	
<b>Flash Point</b>	No data available	None known	
<b>Evaporation rate</b>	No data available	None known	
<b>Flammability (solid, gas)</b>	No data available	None known	
<b>Flammability Limits in Air</b>			
<b>Upper flammability limit</b>	No data available	None known	
<b>Lower flammability limit</b>	No data available	None known	
<b>Vapor pressure</b>	No data available	None known	
<b>Vapor density</b>	No data available	None known	
<b>Specific Gravity (Water = 1)</b>	No data available	None known	
<b>Water Solubility</b>	No data available	None known	
<b>Octanol/Water Partition Coefficient:</b>	No data available	None known	
<b>Autoignition temperature</b>	No data available	None known	
<b>Decomposition temperature</b>	No data available	None known	
<b>Viscosity</b>	400-2500CPS @ 20.0C(68.0F)	None known	

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## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive at normal temperatures and pressures.

### Chemical stability

Stable under recommended storage conditions. Avoid contact with Incompatible materials.

### Possibility of Hazardous Reactions

Will not occur.

### Conditions to avoid

No data available.

### Incompatible materials

Acids. Strong oxidizing agents.Reducing agents, Nitro compounds.

### Hazardous Decomposition Products

Fire conditions can result in the formation of Carbon Monoxide and Carbon Dioxide, and Oxides of; Nitrogen, Sulfur, and Sodium.

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## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

##### Eye Contact

May cause redness, burning and pain.

##### Skin Contact

Prolonged and/or frequent contact may cause drying and cracking of the skin and possible dermatitis.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Amphosol HCG-HP	2335 mg/kg - Rat	>2000mg/kg - Rabbit	-
CAS# 1300-72-7 Sodium Xylenesulfonate	7200 mg/kg - Rat	>2000mg/kg - Rabbit	-
CAS# 68585-47-7 Sodium Lauryl Sulfate	7200 mg/kg - Rat	500-2000 mg/kg - Rabbit	
CAS# 68439-57-6 Sodium C14-16 Olefin Sulfonate	2079-2340 mg/kg - Rat	6300-160000 mg/kg - Rabbit	52-206 mg/L - Rat
CAS# 68585-34-2 Sodium Laureth Sulfate	4100 mg/kg - Rat	>2000 mg/kg - Rat	
Ammonyx LO:	>2000 mg/kg - Rat	>2000 mg/kg - Rabbit	

### Information on toxicological effects

#### Symptoms

No information available.

#### Sensitization

Sensitization possible by skin contact.

#### Epidemiology

No information available.

#### Teratogenicity

No information available.

#### Reproductive Effects

No information available.

#### Mutagenicity

No information available.

#### Neurotoxicity

No information available.

#### Carcinogenicity

NTP? No    IARC Monographs? No    OSHA Regulated? No

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

0% of the mixture consists of component(s) of unknown hazards to the aquatic environment.

Chemical Name			
CAS#68585-34-2	-LC 50, Danio rerio, 7.1 mg/L, 96H	EC50, Algae, 27mg/L, 72H	EC50, Daphnia, 7.2mg/L, 48H
Chronic Ecotoxicity	NOEC, Fish, 1mg/L, 45d	NOEC, Daphnia, 0.27mg/L, 21d	
CAS# 68585-47-7	LC50, Fish, 3.6mg/L, 96H	EC50, Algae, 60mg/L, 72H	EC50, Crustacea, 1.37-4.7mg/L, 48H
CAS# 68439-57-6	LC50, Danio rerio, 3.5-5 mg/L, 96H	EC50, Algae, 3.2-5.2 mg/L, 72H	EC50, Daphnia, 4.53mg/L, 48H
Chronic Ecotoxicity	NOEC, Daphnia, 6.3mg/L, 21d		
CAS# 308062-28-4	EC50, Water Flea (Daphnia), 3.1 mg/L, 48H	EC50, Algae, 0.19mg/L, 72H	LC50, Fish, 2.67mg/L, 96H
CAS# 1300-72-7	LC50, Fish >= 1000mg/L, 96H	LC50, Water Flea (Daphnia), >1000 mg/L 48H	LC50, Algae, >= 230mg/kg, 72H
CAS# 61789-40-0	EC50, Daphnia, 1.9mg/L, 48H	EC50, Algae, 2.14mg/L, 72H	LC50, Fish, 1.75-10mg/L, 96H

**Persistence and Degradability**

No information available.

**Bioaccumulation**

No information available.

**Mobility**

Soluble in water.

**Other adverse effects**

No information available.

**13. DISPOSAL CONSIDERATIONS****Disposal methods**

Dispose of contents and containers in accordance with local, regional, national and international regulations.

**14. TRANSPORT INFORMATION****DOT** Not regulated**15. REGULATORY INFORMATION****EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists**

CAS#	Hazardous Components (Chemical Name)	S.302 (EHS)	S. 304 (RQ)	S.313 (TRI)
68439-57-6	Sodium C 14-16 Olefin Sulfonate	No	No	No
68585-47-7	Sodium Lauryl Sulfate	No	No	No
68585-34-2	Sodium Laureth Sulfate	No	No	No
61789-40-0	Cocamidopropyl Betaine	No	No	No
308062-28-4	Lauramine Oxide	No	No	No
1300-72-7	Sodium Xylenesulfonate	No	No	No

CAS#	Hazardous Components (Chemical Name)	Other US EPA or State Lists
68439-57-6	Sodium C 14-16 Olefin Sulfonate	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No
68585-47-7	Sodium Lauryl Sulfate	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No
68585-34-2	Sodium Laureth Sulfate	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No
61789-40-0	Cocamidopropyl Betaine	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No
308062-28-4	Lauramine Oxide	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC

		TAP: No; WI Air: No
1300-72-7	Sodium Xylenesulfonate	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No

CAS#	Hazardous Components (Chemical Name)	International Regulatory Lists
68439-57-6	Sodium C 14-16 Olefin Sulfonate	Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: No
68585-47-7	Sodium Lauryl Sulfate	Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: No
68585-34-2	Sodium Laureth Sulfate	Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: No
61789-40-0	Cocamidopropyl Betaine	Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: No
308062-28-4	Lauramine Oxide	Canadian DSL: No; Canadian NDSL: No; Mexico INSQ: No
1300-72-7	Sodium Xylenesulfonate	Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: Yes

**Regulatory Information:** PROPOSITION 65 (Chemicals known to the state of California to cause cancer or reproductive toxicity): This product may contain traces of: Dichloroacetic acid. Ethylbenzene.

**Regulatory Information Statement:** This information contained herein is based on data considered to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Vendor assumes no responsibility for injury to the vendee or third person proximately caused by the materials if reasonable safety procedures are not adhered to as stipulated in this data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third-party persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendor assumes all risk in use of the material.

**16. OTHER INFORMATION**

<b>NFPA</b>	<b>Health Hazards</b>	1	<b>Flammability</b>	0	<b>Instability</b>	0	<b>Physical and Chemical Properties</b>	None
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Prepared By: Technical Department  
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 Reference

**General 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**