# SAFETY DATA SHEET

## 1. IDENTIFICATION

**Product identifier**

**Product Name** **BSI-225 High-Foaming All-Purpose Neutral Cleaner**

**Other means of identification**
General Purpose Cleaner Concentrate

**Recommended Uses**
Equipment, utensils, walls and floors in meat, poultry and food processing plants

**Distributor Address**
**Best Sanitizers, Inc.**
PO Box 1360
Penn Valley, CA 95946

**Emergency telephone number**

**Emergency Phone Numbers** ChemTrec 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

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

| | |
|---|---|
| Serious eye damage/irritation | Category 2A |

**Signal word** **Warning**

**Hazard statements**
Causes serious eye irritation



**Appearance** Aqueous solution **Physical State** Liquid **Odor** Mild, sweet

**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.

**Precautionary Statements - Storage**
Not applicable.

**Precautionary Statements - Disposal**
Dispose of contents/container to an approved waste disposal plant.

**Hazards not otherwise classified (HNOC)**
Not Applicable

**Other Information**
*Harmful to aquatic life with long lasting effects.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No. | Weight % | Trade Secret |
|---|---|---|---|
| Water | 7732-18-5 | 65-85 | |
| Sodium dodecylebenzenesulfonate | 25155-30-0 | 11-15 | |
| Dipropylene glycol monomethyl ether | 34590-94-8 | 6-10 | |
| Trade Secret 1 | Proprietary | 1-4 | * |
| Ethylenediaminetetraacetic acid tetrasodium salt | 64-02-08 | 1-2 | |
| Ethyl Alcohol | 64-17-5 | 0.2-0.6 | |

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

## 4. FIRST AID MEASURES

**First aid measures**

**Eye Contact** — Hold eye(s) open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye(s). If eye irritation persists: Get medical advice/ attention.

**Skin Contact** — Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing and shoes before reuse. Get medical attention if irritation develops and persists.

**Inhalation** — Remove to fresh air. Immediate medical attention is not required.

**Ingestion** — Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician immediately.

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

**Most Important Symptoms and Effects**

See Section 11 for symptom information

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

**Note to physicians:** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Dry Chemical. Water spray (fog), Carbon dioxide (CO2), Foam.

**Unsuitable Extinguishing Media**

No Information available.

**Specific Hazards Arising from the Chemical**

No information available.

**Hazardous combustion products**:

Carbon monoxide.

**Explosion Data**

| | |
|---|---|
| **Sensitivity to Mechanical Impact** | None |
| **Sensitivity to Static Discharge** | None |

**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. Cool containers with flooding quantities of water until well after fire is out. Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes.

## 6. ACCIDENTAL RELEASE MEASURES

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

| | |
|---|---|
| **Personal Precautions** | Use personal protection recommended in Section 8. Ensure adequate ventilation, especially in confined areas. |
| **For emergency responders** | Isolate area. Keep unnecessary personnel away. |

**Environmental precautions**

| | |
|---|---|
| **Environmental Precautions** | Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional ecological information. |

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

| | |
|---|---|
| **Methods for Containment** | Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (See Section 13). |
| **Methods for Cleaning Up** | Collect spillage. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. Following product recovery, flush area with water. |

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

| | |
|---|---|
| **Handling** | Use personal protection recommended in Section 8. Avoid contact with skin and eyes. Use only in well-ventilated areas. Avoid breathing vapors or mists. Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice. |

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions/ Incompatible materials**

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep from freezing.

Strong oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

**Exposure Guidelines**

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---|---|---|---|
| Dipropylene glycol monomethyl ether<br>34590-94-8 | STEL: 150 ppm<br>TWA: 100 ppm | TWA: 100 ppm<br>TWA: 600 mg/m3<br>(vacated)STEL: 150 ppm<br>(vacated) STEL: 900 mg/m3 | IDLH: 600 ppm<br>TWA: 100 ppm<br>TWA: 600 mg/m3<br>STEL: 150 ppm<br>STEL: 900 mg/m3 |
| Ethyl Alcohol<br>64-17-5 | STEL: 1000 ppm | TWA: 1000 ppm<br>TWA: 1900 mg/m3 | IDLH: 3300 ppm<br>TWA: 1000 ppm<br>TWA: 1900 mg/m3 |

*ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.*

**Appropriate engineering controls**

**Engineering Controls** Showers, eyewash stations, ventilation system.

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

**Eye/Face Protection** Tight sealing safety goggles.

**Skin and Body Protection** Wear protective NeopreneTM gloves. Rubber gloves. Normal work clothing (long sleeved shirt and long sleeved shirt and long pants) is recommended. Apron recommended..

**Respiratory Protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene Measures** Wash face, hands and any exposed skin thoroughly after handling. Wash contaminated clothing and shoes before reuse. Do not Eat, Drink or Smoke when using this product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical and Chemical Properties**

**Formula** See Section 3

**Physical State** Liquid
**Appearance** Aqueous solution
**Color** Clear blue

| Property | Values | Remarks/ Method |
|---|---|---|
| pH | 7 | +/- 1 @ 21˚C |
| Melting/freezing point | ~1˚C / ~31˚ F | None known |

**Odor** Mild sweet
**Odor Threshold** No information available

| | | |
|---|---|---|
| **Boiling point / boiling range** | No information available. | None known |
| **Flash Point** | Not Flammable | N/A |
| **Evaporation rate** | No information available | None known |
| **Flammability (solid, gas)** | No data available | None known |
| **Flammability Limits in Air** | | |
| **Upper flammability limit** | No data available | None known |
| **Lower flammability limit** | No data available | None known |
| **Vapor pressure** | No data available | None known |
| **Vapor density** | No data available | None known |
| **Specific Gravity** | 1.035 g/cc | None known |
| **Water Solubility** | Soluble in water. | None known |
| **Solubility in other solvents** | No data available | None known |
| **Partition coefficient:** | No data available | None known |
| **Autoignition temperature** | No data available | None known |
| **Decomposition temperature** | No data available | None known |
| **Kinematic viscosity** | No data available | None known |
| **Dynamic viscosity** | No data available | None known |

## 10. STABILITY AND REACTIVITY

**Reactivity**
No data available.

**Chemical stability**
Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**
None under normal processing.

**Conditions to avoid**
None known.

**Incompatible materials**
Strong oxidizing agents.

**Hazardous Decomposition Products**
None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

| | |
|---|---|
| **Inhalation** | Inhalation of vapors in high concentration may cause irritation of respiratory system. |
| **Eye Contact** | Irritating to eyes. |
| **Skin Contact** | Prolonged contact may cause irritation. |
| **Ingestion** | Harmful if swallowed. |

**Component Information**

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|---|---|---|
| Sodium dodecylebenzenesulfonate<br>25155-30-0 | = 500 mg/kg (Rat)<br>= 438 mg/kg (Rat) | - | - |
| Dipropylene glycol monomethyl ether<br>34590-94-8 | = 5400 µL/kg (Rat) | = 9500 mg/kg (Rabbit) | - |
| Ethylenediaminetetraacetic acid tetrasodium salt<br>64-02-8 | = 10 g/kg (Rat)<br>= 1658 mg/kg (Rat) | - | - |
| Ethyl Alcohol<br>64-17-5 | = 7060 mg/kg (Rat) | >2 g/kg (Rabbit) | = 124.7 mg/L (rat) 4 h |

**Information on toxicological effects**

Symptoms No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

| | |
|---|---|
| Sensitization | No Information Available |
| Germ cell mutagenicity | No Information Available |
| Carcinogenicity | Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage. |
| Reproductive toxicity | No Information Available |
| STOT single exposure | No Information Available |
| STOT repeated exposure | No Information Available |
| Aspiration Hazard | No Information Available |

**Numerical measures of toxicity –Product Information**

**Unknown Acute Toxicity** **2.4%** of the mixture consists of ingredient(s) of unknown toxicity.

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

**Oral LD50** **21011 mg/kg**

## 12. Ecological Data

**Ecotoxicity**

Very toxic to aquatic life with long lasting effects.

2.474% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

| Chemical Name | Algae/aquatic plants | Fish | Crustacea |
|---|---|---|---|
| Sodium dodecylebenzenesulfonate 25155-30-0 | - | 10.8: 96 h Oncorhynchus mykiss mg/L LC50 Static | - |
| Dipropylene glycol monomethyl ether 34590-94-8 | - | 10000: 96h Pimephales promelas mg/L LC50 static | 1919: 48 h Daphnia magna mg/L LC50 |
| Ethylenediaminetetraacetic acid tetrasodium salt 64-02-8 | 1.01: 72 h Desmodesmus subspicatus mg/L EC50 | 41: 96 h Lepomos macrochirus mg/L LC50 static<br>59.8: 96 h Pimephales promelas mg/L LC50 static | 610: 24 h Daphnia magna mg/L EC50 |
| Ethyl Alcohol 64-17-5 | - | 12.0-16.0: 96 h Oncorhynchus mykiss mL/L LC50 static<br>100: 96 h Pimephales promelas mg/L LC50 static<br>13400-15100: 96 h Pimephales promelas mg/L LC50 flow-through | 9268-14221:48 h Daphnia magna mg/L LC50<br>2: 48 h Daphnia magna mg/L EC50 Static<br>10800: 24 h Daphnia magna mg/L EC50 |

**Persistence and Degradability**

No Information Available.

**Bioaccumulation**

| Chemical Name | Partition Coefficient |
|---|---|
| Dipropylene glycol monomethyl ether 34590-94-8 | -0.064 |
| Ethyl Alcohol 64-17-5 | -0.32 |

**Mobility**

Soluble in water.

**Other adverse effects**

No information available.

## 13. DISPOSAL CONSIDERATIONS

**Disposal methods**

**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Dispose of in accordance with federal, state and local regulations.

## 14. TRANSPORT INFORMATION

**DOT**

**Not Regulated by US DOT**

## 15. REGULATORY INFORMATION

### Chemical Inventories

| | |
|---|---|
| **TSCA** | No information available |
| **DSL/NDSL** | No information available |
| **EINECS/EIINCS** | No information available |

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

### U.S. Federal Regulations

**SARA 313**
Section 313 of Title III of the Superfund Amendments and Reauthorization 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.

**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 |

**CWA (Clean Water Act)**
This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical Name | CWA-Reportable Quantity | CWA-Toxic Pollutants | CWA-Priority Pollutants | CWA-Hazardous Substances |
|---|---|---|---|---|
| Sodium dodecylebenzenesulfonate 25155-30-0 | 1000 lbs | - | - | X |

**CERCLA**
This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environment Response Compensation and Liability Act (CERCLA) (40 CFR 302).

| Chemical Name | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ) |
|---|---|---|---|
| Sodium dodecylebenzenesulfonate 25155-30-0 | 1000 lbs | - | RQ 1000 lb final RQ<br>RQ 454 kg final RQ |

### US State Regulations

**California Proposition 65**
This product may contain trace amounts of Nitrilotriacetic acid, trisodium salt 5064-31-3, Formaldehyde 500-00-0, Sulfur dioxide 7446-09-5, Ethylene oxide 75-21-8; 1.4 dioxane 123-91-1. Ethyl alcohol is only a considered Prop 65 hazard when ingested.

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

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|---|---|---|---|
| Sodium dodecylebenzenesulfonate 25155-30-0 | X | X | X |

| | | | |
|---|---|---|---|
| Dipropylene glycol monomethyl ether 34590-94-8 | X | X | X |
| Ethyl alcohol 64-17-5 | X | X | X |

**U.S. EPA Label Information**
**EPA Pesticide Registration Number** Not Applicable

## 16. OTHER INFORMATION

**NFPA** **Health Hazard** 1 **Flammability** 0 **Instability** 0 **Physical and Chemical Hazards** None

**HMIS** **Health Hazard** 1 **Flammability** 0 **Physical Hazard** 0 **Personal Protection** B (safety glasses; gloves)

**Prepared By** Technical Department

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**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**