



# SAFETY DATA SHEET

Issuing Date 27-May-2016

Revision Date 11-Dec-20

Revision Number 2

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

### Product identifier

Product Name Clorox Clean-Up Bleach Cleaner Spray and S.O.S. All-Surface Scrubber Sponge Value Pack – Clorox Clean-Up Bleach Cleaner Spray

### Other means of identification

Synonyms None

EPA Pesticide registration number 5813-21  
Document number USA002112

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

Recommended Use Disinfectant - Non-Aerosol

Uses advised against No information available

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

Supplier Name The Clorox Company

Supplier Address 1221 Broadway  
Oakland  
CA  
94612  
US

Supplier Phone Number 1-510-271-7000

Emergency telephone number For Medical Emergencies Call: 1-800-446-1014  
For Transportation Emergencies, Call 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/eye irritation | Category 2A |
|-----------------------------------|-------------|

### GHS Label elements, including precautionary statements

#### Emergency Overview

|             |         |
|-------------|---------|
| Signal word | Warning |
|-------------|---------|

|                               |
|-------------------------------|
| Hazard Statements             |
| Causes serious eye irritation |

**Appearance** Clear, pale yellow**Physical state** Liquid**Odor** Fragranced**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
Wear eye/face protection

**Precautionary Statements - Response****Eyes**

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

**Skin**

If skin irritation occurs: Get medical advice/attention

**Precautionary Statements - Storage**

None

**Precautionary Statements - Disposal**

None

**Hazards not otherwise classified (HNOC)**

Not applicable

**Unknown Toxicity**

0.12 % of the mixture consists of ingredient(s) of unknown toxicity

**Other information**

Toxic to aquatic life with long lasting effects

**Interactions with Other Chemicals**

No information available.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name       | CAS-No    | Percent | Trade Secret |
|---------------------|-----------|---------|--------------|
| Sodium hypochlorite | 7681-52-9 | 1-5     | *            |
| Sodium hydroxide    | 1310-73-2 | 0.1-1   | *            |

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

### 4. FIRST AID MEASURES

**First aid measures****General Advice**

Show this safety data sheet to the doctor in attendance.

**Eye contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing.

**Skin contact**

Take off contaminated clothing and wash before reuse. Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.

|  |  |
|--|--|
| <b>Inhalation</b>  | Move victim to fresh air. If symptoms persist, call a physician.   |
| <b>Ingestion</b>   | Call a physician or Poison Control Center immediately. Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. |
| <b>Self-protection of the first aider</b>  | Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wear personal protective clothing (see section 8).                 |
| <b><u>Most important symptoms and effects, both acute and delayed</u></b>                |  |
| <b>Most Important Symptoms and Effects</b>   | May cause redness and tearing of the eyes.   |
| <b><u>Indication of any immediate medical attention and special treatment needed</u></b> |  |
| <b>Notes to Physician</b>  | Treat symptomatically.   |

## 5. FIRE-FIGHTING MEASURES

### **Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

### **Unsuitable extinguishing media**

CAUTION: Use of water spray when fighting fire may be inefficient.

### **Specific hazards arising from the chemical**

No information available.

### **Hazardous Combustion Products**

Carbon oxides.

### **Explosion Data**

**Sensitivity to Mechanical Impact** No.

**Sensitivity to Static Discharge** No.

### **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.

## 6. ACCIDENTAL RELEASE MEASURES

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

**Personal precautions** Use personal protective equipment as required. Avoid contact with skin and eyes.

**Other Information** Refer to protective measures listed in Sections 7 and 8.

### **Environmental precautions**

**Environmental precautions** 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.

**Methods for cleaning up** Pick up and transfer to properly labeled containers. Soak up with inert absorbent material. After cleaning, flush away traces with water. Prevent product from entering drains. Dam up.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product.

### Conditions for safe storage, including any incompatibilities

**Storage** Keep container tightly closed. Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers.

**Incompatible Products** Ammonia. Acids.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

| Chemical Name                 | ACGIH TLV                    | OSHA PEL                 | NIOSH IDLH  |
|-------------------------------|------------------------------|--------------------------|---|
| Sodium hydroxide<br>1310-73-2 | Ceiling: 2 mg/m <sup>3</sup> | TWA: 2 mg/m <sup>3</sup> | IDLH: 10 mg/m <sup>3</sup> Ceiling: 2 mg/m <sup>3</sup> |

*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*

**Other Exposure Guidelines** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992)

### Appropriate engineering controls

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems

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

**Eye/face protection** Wear safety glasses with side shields (or goggles). If splashes are likely to occur: None required for consumer use.

**Skin and body protection** Wear protective gloves and protective clothing.

**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** Take off contaminated clothing and wash before reuse. Avoid contact with skin, eyes or clothing. When using do not eat, drink or smoke.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

|                       |                          |                       |                          |
|-----------------------|--------------------------|-----------------------|--------------------------|
| <b>Physical state</b> | Liquid                   | <b>Odor</b>           | Fragranced               |
| <b>Appearance</b>     | Clear, pale yellow       | <b>Odor Threshold</b> | No information available |
| <b>Color</b>          | No information available |                       |                          |

| <u>Property</u>                      | <u>Values</u>     | <u>Remarks</u> | <u>Method</u> |
|--------------------------------------|-------------------|----------------|---------------|
| <b>pH</b>                            | 12.4-12.8         | None known     |               |
| <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>                            | 5001 C / 9034 F   | None known |
| <b>Evaporation Rate</b>                       | No data available | None known |
| <b>Flammability (solid, gas)</b>              | No data available | None known |
| <b>Flammability Limit in Air</b>              |                   |            |
| <b>Upper flammability limit</b>               | No data available |            |
| <b>Lower flammability limit</b>               | No data available |            |
| <b>Vapor pressure</b>                         | No data available | None known |
| <b>Vapor density</b>                          | No data available | None known |
| <b>Specific Gravity</b>                       | 1.03              | None known |
| <b>Water Solubility</b>                       | Soluble in water  | None known |
| <b>Solubility in other solvents</b>           | No data available | None known |
| <b>Partition coefficient: n-octanol/water</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>Kinematic viscosity</b>                    | No data available | None known |
| <b>Dynamic viscosity</b>                      | No data available | None known |
| <b>Explosive properties</b>                   | No data available |            |
| <b>Oxidizing properties</b>                   | No data available |            |

**Other Information**

|                                   |                   |
|-----------------------------------|-------------------|
| <b>Softening Point</b>            | No data available |
| <b>Particle Size</b>              | No data available |
| <b>Particle Size Distribution</b> |                   |

## 10. STABILITY AND REACTIVITY

**Reactivity**

No data available.

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Hazardous Polymerization**

Hazardous polymerization does not occur.

**Conditions to avoid**

None known.

**Incompatible materials**

Ammonia. Acids.

**Hazardous Decomposition Products**

Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure****Product Information****Inhalation**

May cause irritation of respiratory tract.

**Eye contact**

Irritating to eyes.

**Skin contact**

Prolonged contact may cause redness and irritation.

**Ingestion**

Specific test data for the substance or mixture is not available.

**Component Information**

| Chemical Name                    | Oral LD50        | Dermal LD50           | Inhalation LC50 |
|----------------------------------|------------------|-----------------------|-----------------|
| Sodium hypochlorite<br>7681-52-9 | 8200 mg/kg (Rat) | >10000 mg/kg (Rabbit) | –               |
| Sodium hydroxide<br>1310-73-2    | –                | 1350 mg/kg (Rabbit)   | –               |

**Information on toxicological effects**

**Symptoms** May cause redness and tearing of the eyes.

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

**Sensitization** No information available.

**Mutagenic Effects** No information available.

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical Name                    | ACGIH | IARC    | NTP | OSHA |
|----------------------------------|-------|---------|-----|------|
| Sodium hypochlorite<br>7681-52-9 | -     | Group 3 | -   | -    |

*IARC (International Agency for Research on Cancer)  
Group 3 - Not Classifiable as to Carcinogenicity in Humans*

**Reproductive toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Chronic Toxicity** Carcinogenic potential is unknown.

**Target Organ Effects** Respiratory system. Eyes. Skin. Gastrointestinal tract (GI).

**Aspiration Hazard** No information available.

**Numerical measures of toxicity Product Information**

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

Not applicable

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Toxic to aquatic life with long lasting effects.

**Persistence and Degradability**

No information available.

**Bioaccumulation**

No information available

**Other adverse effects**

No information available.

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal methods** Dispose of in accordance with federal, state and local regulations.

**Contaminated Packaging** Dispose of contents/containers in accordance with local regulations.

**US EPA Waste Number** D002

**California Hazardous Waste Codes** 122

This product contains one or more substances that are listed with the State of California as a hazardous waste.

**14. TRANSPORT INFORMATION**

**For shipments less than 5 liters:**

**DOT** - Not Regulated per 49 CFR 171.4(c)(1)

**IMDG** - Not Restricted per IMDG Code 2.10.2.7 Marine Pollutant exemption

**IATA** - Not Restricted per IATA Special Provision A197 Environmentally Hazardous Substance exemption

**For shipments 5 liters or more:**

**DOT** - Not Regulated per 49 CFR 171.4(c)(1)

**IMDG** - UN 3082 Environmentally Hazardous Substance, Liquid, N.O.S. (Sodium Hypochlorite), 9, III, Marine Pollutant

**IATA** - UN 3082 Environmentally Hazardous Substance, Liquid, N.O.S. (Sodium Hypochlorite), 9, III, Marine Pollutant

**15. REGULATORY INFORMATION**

**International Inventories**

**TSCA** All components are listed on the TSCA Inventory

**DSL** All components are listed either on the DSL or NDSL.

**IECSC** -

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

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

**US Federal Regulations**

**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

**SARA 311/312 Hazard Categories**

|  |     |
|--|-----|
| <b>Acute Health Hazard</b>               | Yes |
| <b>Chronic Health Hazard</b>             | No  |
| <b>Fire Hazard</b>                       | No  |
| <b>Sudden release of pressure hazard</b> | No  |
| <b>Reactive Hazard</b>                   | 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 Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|----------------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Sodium hypochlorite<br>7681-52-9 | 100 lb                      |                        |                           | X                          |
| Sodium hydroxide<br>1310-73-2    | 1000 lb                     |                        |                           | X                          |

**CERCLA**

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

| Chemical Name                    | Hazardous Substances RQs | Extremely Hazardous Substances RQs | RQ                                    |
|----------------------------------|--------------------------|------------------------------------|---------------------------------------|
| Sodium hypochlorite<br>7681-52-9 | 100 lb                   | -                                  | RQ 100 lb final RQRQ 45.4 kg final RQ |
| Sodium hydroxide<br>1310-73-2    | 1000 lb                  | -                                  | RQ 1000 lb final RQRQ 454 kg final RQ |

**US State Regulations****California Proposition 65**

This product contains the following Proposition 65 chemicals.

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

| Chemical Name                    | New Jersey | Massachusetts | Pennsylvania | Rhode Island | Illinois |
|----------------------------------|------------|---------------|--------------|--------------|----------|
| Sodium hypochlorite<br>7681-52-9 | X          | X             | X            | X            |          |
| Sodium hydroxide<br>1310-73-2    | X          | X             | X            | X            |          |

**EPA Statement**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**EPA Pesticide label**

WARNING: EYE AND SKIN IRRITANT. Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Avoid contact with skin. Wear protective eyewear. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse. Harmful if swallowed. For sensitive skin or prolonged use, wear gloves. Vapors may irritate. Avoid prolonged breathing of vapors. Use only in well ventilated areas. Not recommended for use by persons with heart conditions or chronic respiratory problems such as asthma, emphysema or obstructive lung disease.

## 16. OTHER INFORMATION

**Prepared By** Product Stewardship  
23 British American Blvd.  
Latham, NY 12110  
1-800-572-6501

**Issuing Date** 27-May-2016



**Revision Date** 11-Dec-20

**Revision Note** No information available

**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**



# SAFETY DATA SHEET

Issuing Date January 5, 2015

Revision Date New

Revision Number 0

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

### Product identifier

Product Name Clorox Clean-Up Bleach Cleaner Spray and S.O.S. All-Surface Scrubber Sponge Value Pack  
S.O.S. All-Surface Scrubber Sponge

### Other means of identification

Synonyms None

Document number 2112

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

Recommended use Cleaning and scrubbing tool for dishware, pots, and pans

Uses advised against No information available

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

#### **Supplier Address**

The Clorox Company  
1221 Broadway  
Oakland, CA 94612

Phone: 1-510-271-7000

### Emergency telephone number

#### **Emergency Phone Numbers**

For Medical Emergencies, call: 1-800-446-1014

For Transportation Emergencies, call 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).

|                 |             |
|-----------------|-------------|
| Carcinogenicity | Category 1B |
|-----------------|-------------|

### GHS Label elements, including precautionary statements

#### Emergency Overview

|   |   |
|---|---|
| <b>Signal word</b>  | <b>Danger</b>   |
| <b>Hazard Statements</b>  | May cause cancer (inhalation, ingestion).                       |
|  |   |
| <b>Appearance</b>   | Opaque, blue soap mixture impregnated into grey steel wool pads |
| <b>Physical State</b>   | Solid   |
| <b>Odor</b>   | Soapy   |

### Precautionary Statements - Prevention

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Wear protective gloves, eye protection, and face protection.  
Do not breathe dust.

### Precautionary Statements - Response

If exposed or concerned: Get medical advice.

### Precautionary Statements - Storage

Store locked up.

### Precautionary Statements - Disposal

Dispose of contents in accordance with all applicable federal, state, and local regulations.

### Hazards not otherwise classified (HNOC)

Not applicable.

### Unknown Toxicity

40% of the mixture consists of ingredients of unknown toxicity.

### Other information

Toxic to aquatic life.

### Interactions with Other Chemicals

None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name                | CAS-No     | Weight % | Trade Secret |
|------------------------------|------------|----------|--------------|
| Glycerin                     | 56-81-5    | 3 - 7    | *            |
| Sodium carbonate             | 497-19-8   | 1 - 5    | *            |
| Cocamide MEA                 | 68140-00-1 | 1 - 5    | *            |
| Sodium alkylbenzenesulfonate | 68081-81-2 | 0.5 - 2  | *            |
| Sodium nitrite               | 7632-00-0  | 0.5 - 2  | *            |
| Titanium dioxide             | 13463-67-7 | < 0.3    | *            |

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

### 4. FIRST AID MEASURES

#### First aid measures

|                                   |   |
|-----------------------------------|---|
| <b>General Advice</b>             | Show this safety data sheet to the doctor in attendance.  |
| <b>Eye Contact</b>                | Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. |
| <b>Skin Contact</b>               | Rinse skin with plenty of water. If irritation persists, call a doctor.   |
| <b>Inhalation</b>                 | Move to fresh air. If breathing problems develop, call a doctor.  |
| <b>Ingestion</b>                  | Drink a glassful of water. Call a doctor or poison control center.  |
| <b>Protection of First-aiders</b> | Avoid contact with skin, eyes, and clothing. Use personal protective equipment as required. Wear personal protective clothing (see section 8).  |

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

|  |   |
|--|---|
| <b>Most Important Symptoms and Effects</b> | May cause slight eye irritation. Inhalation of dry soap may irritate nose and throat. |
|--|---|

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

|                           |                        |
|---------------------------|------------------------|
| <b>Notes to Physician</b> | Treat symptomatically. |
|---------------------------|------------------------|

## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Not flammable. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

### Unsuitable Extinguishing Media

None known.

### Specific Hazards Arising from the Chemical

Not flammable. None known.

### 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.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions**      Avoid contact with eyes, skin, and clothing. Ensure adequate ventilation. Use personal protective equipment as required.

**Other Information**      Refer to protective measures listed in Sections 7 and 8.

### Environmental precautions

**Environmental Precautions**      See Section 12 for ecological Information.

### Methods and material for containment and cleaning up

**Methods for Containment**      Prevent further spillage if safe to do so.

**Methods for Cleaning Up**      Containerize. Wash residual down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed-down material.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Handling**      Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes, and clothing. Do not eat, drink, or smoke when using this product.

### Conditions for safe storage, including any incompatibilities

**Storage**      Store in a dry area.

**Incompatible Products**      None known.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

| Chemical Name                  | ACGIH TLV                      | OSHA PEL  | NIOSH IDLH                    |
|--------------------------------|--------------------------------|---|-------------------------------|
| Glycerin<br>56-81-5            | TWA: 10 mg/m <sup>3</sup> mist | TWA: 15 mg/m <sup>3</sup> mist, total particulate<br>TWA: 5 mg/m <sup>3</sup> mist, respirable fraction | -                             |
| Titanium dioxide<br>13463-67-7 | TWA: 10 mg/m <sup>3</sup>      | TWA - 15 mg/m <sup>3</sup> (total dust)   | IDLH - 5000 mg/m <sup>3</sup> |

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 Measures**                      Showers  
     Eyewash stations  
     Ventilation systems

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

**Eye/Face Protection**                      Wear safety glasses.

**Skin and Body Protection**                      Wear rubber or neoprene gloves.

**Respiratory Protection**                      No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene Measures**                              Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

|                       |  |                       |                          |
|-----------------------|--|-----------------------|--------------------------|
| <b>Physical State</b> | Solid  |                       |                          |
| <b>Appearance</b>     | Opaque soap mixture impregnated into steel wool pads | <b>Odor</b>           | Soapy                    |
| <b>Color</b>          | Blue soap - grey steel wool pads                     | <b>Odor Threshold</b> | No information available |

| <u>Property</u>                        | <u>Values</u>     | <u>Remarks/ Method</u> |
|--|-------------------|------------------------|
| pH                                     | No data available | None known             |
| Melting/freezing point                 | No data available | None known             |
| Boiling point / boiling range          | No data available | None known             |
| Flash Point                            | Not flammable     | None known             |
| Evaporation rate                       | No data 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             |
| Bulk density                           | No data available | None known             |
| Water Solubility                       | Soap is soluble   | None known             |
| Solubility in other solvents           | No data available | None known             |
| Partition coefficient: n-octanol/water | 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             |
| Explosive Properties                   | Not explosive     |                        |
| Oxidizing Properties                   | No data available |                        |
| <br><b><u>Other Information</u></b>    |                   |                        |
| Softening Point                        | No data available |                        |
| VOC Content (%)                        | No data available |                        |
| Particle Size                          | No data available |                        |
| Particle Size Distribution             | No data available |                        |

## 10. STABILITY AND REACTIVITY

**Reactivity**  
None known.

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

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

**Conditions to avoid**  
None known.

**Incompatible materials**  
None known.

**Hazardous Decomposition Products**  
None known.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Inhalation of dry soap may irritate respiratory tract.                                |
| <b>Eye Contact</b>  | May cause temporary eye irritation.   |
| <b>Skin Contact</b> | Minor or no effects expected.   |
| <b>Ingestion</b>    | Ingestion may cause slight irritation to mucous membranes and gastrointestinal tract. |

#### Component Information

| Chemical Name                  | LD50 Oral      | LD50 Dermal       | LC50 Inhalation                   |
|--------------------------------|----------------|-------------------|-----------------------------------|
| Glycerin<br>56-81-5            | -              | >10 g/kg (Rabbit) | >570 mg/m <sup>3</sup> (Rat, 1 h) |
| Sodium carbonate<br>497-19-8   | 4.1 g/kg (Rat) | -                 | 2.3 g/m <sup>3</sup> (Rat, 2 h)   |
| Cocamide MEA<br>68140-00-1     | 3.3 g/kg (Rat) | -                 | -                                 |
| Sodium nitrite<br>7632-00-0    | 85 mg/kg (Rat) | -                 | >5.5 mg/L (Rat)                   |
| Titanium dioxide<br>13463-67-7 | >10g/kg (Rat)  | -                 | -                                 |

### Information on toxicological effects

**Symptoms** May cause redness and tearing of the eyes. Inhalation may irritate respiratory tract.

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

**Sensitization** No information available.

**Mutagenic Effects** No information available.

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical Name                  | ACGIH | IARC     | NTP | OSHA |
|--------------------------------|-------|----------|-----|------|
| Sodium nitrite<br>7632-00-0    |       | Group 2A |     | X    |
| Titanium dioxide<br>13463-67-7 |       | Group 2B |     | X    |

**ACGIH:** (American Conference of Governmental Industrial Hygienists)

A2 - Suspected Human Carcinogen

**IARC:** (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

**NTP:** (National Toxicology Program)

Known - Known Carcinogen

**OSHA:** (Occupational Safety & Health Administration)

X - Present



|                                 |  |
|---------------------------------|--|
| <b>Reproductive Toxicity</b>    | No information available.  |
| <b>STOT - single exposure</b>   | No information available.  |
| <b>STOT - repeated exposure</b> | No information available.  |
| <b>Chronic Toxicity</b>         | Contains a known or suspected carcinogen. May cause adverse effects on the bone marrow and blood-forming system. Sodium nitrite produced stomach tumors in female mice when fed exaggerated doses. Titanium dioxide has been classified by the International Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B) by inhalation. |
| <b>Target Organ Effects</b>     | Respiratory system, gastrointestinal tract, kidney, blood, cardiovascular system.  |
| <b>Aspiration Hazard</b>        | Not an aspiration hazard.  |

#### **Numerical measures of toxicity - Product Information**

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

No information available.

## **12. ECOLOGICAL INFORMATION**

#### **Ecotoxicity**

Toxic to aquatic organisms.

#### **Persistence and Degradability**

No information available.

#### **Bioaccumulation**

No information available.

#### **Other adverse effects**

None known.

## **13. DISPOSAL CONSIDERATIONS**

#### **Disposal methods**

Dispose of in accordance with all applicable federal, state, and local regulations.

#### **Contaminated Packaging**

Dispose of in accordance with all applicable federal, state, and local regulations.

## **14. TRANSPORT INFORMATION**

|                        |                |
|------------------------|----------------|
| <b><u>DOT</u></b>      | Not regulated. |
| <b><u>TDG</u></b>      | Not regulated. |
| <b><u>ICAO</u></b>     | Not regulated. |
| <b><u>IATA</u></b>     | Not regulated. |
| <b><u>IMDG/IMO</u></b> | Not regulated. |

## 15. REGULATORY INFORMATION

### Chemical Inventories

**TSCA** All components of this product are either on the TSCA 8(b) Inventory or otherwise exempt from listing.

**DSL/NDSL** All components are on the DSL or NDSL.

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

### U.S. Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains the following chemical that is subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

| Chemical Name  | CAS No.   | Weight % | SARA 313 - Threshold Values % |
|----------------|-----------|----------|-------------------------------|
| Sodium nitrite | 7632-00-0 | 0.5 - 2  | 1.0                           |

#### **SARA 311/312 Hazard Categories**

|  |     |
|--|-----|
| <b>Acute Health Hazard</b>               | Yes |
| <b>Chronic Health Hazard</b>             | Yes |
| <b>Fire Hazard</b>                       | No  |
| <b>Sudden Release of Pressure Hazard</b> | No  |
| <b>Reactive Hazard</b>                   | No  |

#### **Clean Water Act**

This product contains the following substance that is a regulated pollutant pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical Name               | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|-----------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Sodium nitrite<br>7632-00-0 | 100 lb.                     |                        |                           | X                          |

#### **CERCLA**

This material, as supplied, contain the following substance regulated as a hazardous substance 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.

| Chemical Name               | Hazardous Substances RQs | Extremely Hazardous Substances RQs | RQ  |
|-----------------------------|--------------------------|------------------------------------|---|
| Sodium nitrite<br>7632-00-0 | 100 lb                   |                                    | RQ 100 lb final RQ<br>RQ 45.4 kg final RQ |

### US State Regulations

#### **California Proposition 65**

This product contains the following Proposition 65 chemical.

| Chemical Name                  | California Proposition 65                                   |
|--------------------------------|---|
| Titanium dioxide<br>13463-67-7 | Carcinogen (airborne, unbound particles of respirable size) |

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

| Chemical Name               | New Jersey | Massachusetts | Pennsylvania | Rhode Island | Illinois |
|-----------------------------|------------|---------------|--------------|--------------|----------|
| Glycerin<br>56-81-5         | X          | X             | X            | X            |          |
| Sodium nitrite<br>7632-00-0 | X          | X             | X            | X            |          |

**International Regulations**

Canada

**WHMIS Hazard Class**

D2A - Very toxic material

D2B - Toxic material



**16. OTHER INFORMATION**

|                    |                  |                |                   |                                 |
|--------------------|------------------|----------------|-------------------|---------------------------------|
| <b><u>NFPA</u></b> | Health Hazard 0  | Flammability 0 | Instability 0     | Physical and Chemical Hazards - |
| <b><u>HMIS</u></b> | Health Hazard 1* | Flammability 0 | Physical Hazard 0 | Personal Protection -           |

*.\*Indicates a chronic health hazard*

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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**