



4/20/2015  
**SAFETY DATA SHEET**

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Revision Number 0

**IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

**Product identifier**

**Product Name** Clorox Commercial Solutions® S.O.S® Steel Wool Soap Pads

**Other means of identification**

**Synonyms** None

SDS Steel Wool  
Soap Pads

**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**

Clorox Professional Products 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>   | <b>Physical State</b> |
| Opaque, blue soap mixture impregnated into grey steel wool pads                   | 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**

- General Advice** Show this safety data sheet to the doctor in attendance.
- Eye Contact** 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.
- Skin Contact** Rinse skin with plenty of water. If irritation persists, call a doctor.
- Inhalation** Move to fresh air. If breathing problems develop, call a doctor.
- Ingestion** Drink a glassful of water. Call a doctor or poison control center.
- Protection of First-aiders** 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**

**Most Important Symptoms and Effects** May cause slight eye irritation. Inhalation of dry soap may irritate nose and throat.

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

**Notes to Physician** 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 |
| <b><u>Property</u></b>                 | <b><u>Values</u></b>                                 | <b><u>Remarks/ Method</u></b> |                          |
| 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                    |                          |
| <b>Flammability Limits in Air</b>      |  |                               |                          |
| 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                                    |                               |                          |
| <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<br/>Chronic Toxicity</b> | No information available.<br>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**

|                                   |     |
|-----------------------------------|-----|
| Acute Health Hazard               | Yes |
| Chronic Health Hazard             | Yes |
| Fire Hazard                       | No  |
| Sudden Release of Pressure Hazard | No  |
| Reactive Hazard                   | 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**

**NFPA** Health Hazard 0 Flammability 0 Instability 0 Physical and Chemical Hazards -  
**HMS** Health Hazard 1\* Flammability 0 Physical Hazard 0 Personal Protection -

\*Indicates a chronic health hazard

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

**Revision Date** New

**Revision Note** New

**Reference** 1020105-A/50567.001

**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