

# Safety Data Sheet

Issue Date: 14-Aug-2014

Revision Date: 14-Aug-2014

Version 1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Sodium Hypochlorite Solution 10.5%

### Other means of identification

**SDS #** Bleach

**UN/ID No**

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

**Recommended Use** Bleach

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

#### **Supplier Address**

Hill Chemical, Inc.  
2520 Knights Station Road  
Suite 28  
Lakeland FL, 33810

### Emergency Telephone Number

**Company Phone Number** 863-816-2909

**Emergency Telephone (24 hr)** 800-535-5053 Info Trac #97581

## 2. HAZARDS IDENTIFICATION

**Physical State** Liquid

### Classification

|                                   |                           |
|-----------------------------------|---------------------------|
| Skin corrosion/irritation         | Category 1 Sub-category B |
| Serious eye damage/eye irritation | Category 1                |
| Aquatic Toxicity, Acute           | Category 1                |
| Aquatic Toxicity, Chronic         | Category 1                |

### Signal Word

**Danger**

### Hazard Statements

Causes severe skin burns and eye damage

Causes serious eye damage

Very Toxic to Aquatic life

Very Toxic to Aquatic life with long lasting effects



### Precautionary Statements - Prevention

Do not breathe dust/fume/gas/mist/vapors/spray

Wash face, hands and any exposed skin thoroughly after handling

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

Avoid release to the environment

#### **Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
Immediately call a poison center or doctor/physician  
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
Wash contaminated clothing before reuse  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
Immediately call a poison center or doctor/physician  
IF SWALLOWED: rinse mouth. Do NOT induce vomiting  
Collect spillage

#### **Precautionary Statements - Storage**

Store locked up

#### **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

#### **Other Hazards**

Very toxic to aquatic life with long lasting effects

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

| <b>Chemical Name</b>          | <b>CAS No</b> | <b>Weight-%</b> |
|-------------------------------|---------------|-----------------|
| Sodium Hypochlorite, solution | 7681-52-9     | 10-15           |
|                               |               |                 |

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

### **4. FIRST-AID MEASURES**

#### **First Aid Measures**

|                     |   |
|---------------------|---|
| <b>Eye Contact</b>  | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek immediate medical attention/advice. |
| <b>Skin Contact</b> | Wash off immediately with plenty of water. Take off contaminated clothing. Wash contaminated clothing before reuse.   |
| <b>Inhalation</b>   | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a physician or poison control center immediately.                   |
| <b>Ingestion</b>    | Rinse mouth. Do not induce vomiting.  |

#### **Most important symptoms and effects**

|                 |   |
|-----------------|---|
| <b>Symptoms</b> | Contact will cause irritation and redness to exposed areas. |
|-----------------|---|

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

|                           |                        |
|---------------------------|------------------------|
| <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** Not determined.

**Specific Hazards Arising from the Chemical**

Non-flammable solution.

**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.

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

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

**Methods for Clean-Up** Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on Safe Handling** Use personal protection recommended in Section 8. Wash thoroughly after handling. Do not breathe dust/fume/gas/mist/vapors/spray.

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

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up.

**Incompatible Materials** Acids.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines**

| Chemical Name                              | ACGIH TLV                    | OSHA PEL   | NIOSH IDLH |
|--|------------------------------|--|------------|
| Sodium Hypochlorite, solution<br>7681-52-9 | Ceiling: 2 mg/m <sup>3</sup> | TWA: 2 mg/m <sup>3</sup><br>(vacated) Ceiling: 2 mg/m <sup>3</sup> | -          |

**Appropriate engineering controls**

**Engineering Controls** Apply technical measures to comply with the occupational exposure limits.

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

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

**Skin and Body Protection** Wear suitable protective clothing.

**Respiratory Protection** Ensure adequate ventilation, especially in confined areas.

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

|                              |                      |                                |                |
|------------------------------|----------------------|--------------------------------|----------------|
| <b>Physical State</b>        | Liquid               | <b>Odor</b>                    | Not determined |
| <b>Appearance</b>            | Not determined       | <b>Odor Threshold</b>          | Not determined |
| <b>Color</b>                 | Not determined       |                                |                |
| <b><u>Property</u></b>       | <b><u>Values</u></b> | <b><u>Remarks • Method</u></b> |                |
| pH                           | Not determined       |                                |                |
| Melting Point/Freezing Point | Not determined       |                                |                |
| Boiling Point/Boiling Range  | Not determined       |                                |                |
| Flash Point                  | Not determined       |                                |                |
| Evaporation Rate             | Not determined       |                                |                |
| Flammability (Solid, Gas)    | n/a-liquid           |                                |                |
| Upper Flammability Limits    | Not determined       |                                |                |
| Lower Flammability Limit     | Not determined       |                                |                |
| Vapor Pressure               | Not determined       |                                |                |
| Vapor Density                | Not determined       |                                |                |
| Specific Gravity             | Not determined       |                                |                |
| Water Solubility             | Not determined       |                                |                |
| Solubility in other solvents | Not determined       |                                |                |
| Partition Coefficient        | Not determined       |                                |                |
| Auto-ignition Temperature    | Not determined       |                                |                |
| Decomposition Temperature    | Not determined       |                                |                |
| Kinematic Viscosity          | Not determined       |                                |                |
| Dynamic Viscosity            | Not determined       |                                |                |
| Explosive Properties         | Not determined       |                                |                |
| Oxidizing Properties         | Not determined       |                                |                |

**10. STABILITY AND REACTIVITY****Reactivity**

Not reactive under normal conditions.

**Chemical Stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to Avoid**

Keep out of reach of children.

**Incompatible Materials**

Acids.

**Hazardous Decomposition Products**

None known based on information supplied.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Product Information**

**Eye Contact** Causes severe eye damage.

**Skin Contact** Causes severe skin burns.

**Inhalation** Avoid breathing vapors or mists.

**Ingestion** Do not taste or swallow.

### Component Information

Chemical Name Oral LD50 Dermal LD50 Inhalation LC50

### Information on physical, chemical and toxicological effects

**Symptoms** Please see section 4 of this SDS for symptoms.

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

**Carcinogenicity** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

### Numerical measures of toxicity

Not determined

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Very toxic to aquatic life with long lasting effects

| Chemical Name                              | Algae/aquatic plants | Fish                              | Toxicity to microorganisms | Crustacea |
|--|----------------------|-----------------------------------|----------------------------|-----------|
| Sodium Hypochlorite, solution<br>7681-52-9 | -                    | LC50=90 Spot Leiostomus xanthurus | -                          | -         |

### Persistence/Degradability

Not determined.

### Bioaccumulation

Not determined.

### Mobility

Not determined

### Other Adverse Effects

Not determined

## 13. DISPOSAL CONSIDERATIONS

### Waste Treatment Methods

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

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

### California Hazardous Waste Status

Chemical Name

California Hazardous Waste Status

## 14. TRANSPORT INFORMATION

**Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

### DOT

|                             |                        |
|-----------------------------|------------------------|
| <b>UN/ID No</b>             | UN 1791                |
| <b>Proper Shipping Name</b> | Hypochlorite solutions |
| <b>Hazard Class</b>         | 8                      |
| <b>Packing Group</b>        | III                    |

## 15. REGULATORY INFORMATION

### International Inventories

Not determined

### US Federal Regulations

### CERCLA

| Chemical Name                              | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ) |
|--|--------------------------|----------------|--------------------------|
| Sodium Hypochlorite, solution<br>7681-52-9 |                          | <b>100 Lbs</b> |                          |

### SARA 313

Not determined

### US State Regulations

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

| Chemical Name                              | New Jersey | Massachusetts | Pennsylvania |
|--|------------|---------------|--------------|
| Sodium Hypochlorite, solution<br>7681-52-9 | X          | X             | X            |

## 16. OTHER INFORMATION

|                       |             |
|-----------------------|-------------|
| <b>Issue Date:</b>    | 14-Aug-2014 |
| <b>Revision Date:</b> | 14-Aug-2014 |
| <b>Revision Note:</b> | New format  |

### Disclaimer

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**End of Safety Data Sheet**