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

GHS product identifier

Product Name       Stage 2

Other means of identification

Product Code(s)    7780
UN-Number          UN2465
Synonyms           None

Recommended use of the chemical and restrictions on use

Recommended Use    Solid Laundry Bleach
Uses advised against No information available

Supplier’s details

Supplier Address
Sunburst Chemicals, Inc.
220 W. 86th St.
Bloomington, MN 55420
TEL: 952-884-3144

Emergency telephone number

Emergency Telephone Number   1-866-303-6943

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

<table>
<thead>
<tr>
<th></th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Oral Toxicity</td>
<td>Category 4</td>
</tr>
<tr>
<td>Acute Dermal Toxicity</td>
<td>Category 3</td>
</tr>
<tr>
<td>Skin Sensitization</td>
<td>Category 1</td>
</tr>
<tr>
<td>Specific Target Organ Systemic Toxicity (Single Exposure)</td>
<td>Category 3</td>
</tr>
</tbody>
</table>

GHS Label elements, including precautionary statements

Emergency Overview

<table>
<thead>
<tr>
<th>Signal Word</th>
<th>Danger</th>
</tr>
</thead>
</table>
Hazard Statements
• Harmful if swallowed
• Toxic in contact with skin
• May cause an allergic skin reaction
• May cause respiratory irritation

Appearance Off white
Physical State Solid
Odor Chlorine

Precautionary Statements
Prevention
• Wear protective gloves/protective clothing/eye protection/face protection
• Wash face, hands and any exposed skin thoroughly after handling
• Do not eat, drink or smoke when using this product
• Avoid breathing dust/fume/gas/mist/vapors/spray
• Contaminated work clothing should not be allowed out of the workplace
• Use only outdoors or in a well-ventilated area

General Advice
• IF exposed or concerned: Get medical attention/advice

Skin
• IF ON SKIN: Wash with plenty of soap and water
• Call a POISON CENTER or doctor/physician if you feel unwell
• Remove/Take off immediately all contaminated clothing
• Wash contaminated clothing before reuse
• If skin irritation or rash occurs: Get medical advice/attention.

Inhalation
• IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
• Call a POISON CENTER or doctor/physician if you feel unwell

Ingestion
• IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
• Rinse mouth

Storage
• Store locked up
• Store in a well-ventilated place. Keep container tightly closed

Disposal
• Dispose of contents/container to an approved waste disposal plant

Hazard Not Otherwise Classified (HNOC)
Not applicable

Other information
Very toxic to aquatic life with long lasting effects

No information available.
3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight %</th>
<th>Trade secret</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dichloroisocyanuric acid, sodium salt</td>
<td>2893-78-9</td>
<td>15-40</td>
<td>*</td>
</tr>
<tr>
<td>Lauric acid</td>
<td>143-07-7</td>
<td>10-30</td>
<td>*</td>
</tr>
<tr>
<td>Pentasodium triphosphate</td>
<td>7758-29-4</td>
<td>10-20</td>
<td>*</td>
</tr>
<tr>
<td>Sodium lauryl sulfate</td>
<td>151-21-3</td>
<td>5-10</td>
<td>*</td>
</tr>
</tbody>
</table>

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

4. FIRST AID MEASURES

**Description of necessary first-aid measures**

**Eye Contact**
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if symptoms occur.

**Skin Contact**
Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. If skin irritation persists, call a physician.

**Inhalation**
Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.

**Ingestion**
Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

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

**Most Important Symptoms/Effects**
No information available.

**Indication of immediate medical attention and special treatment needed, if necessary**

**Notes to Physician**
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**
Water. Carbon dioxide (CO₂). Dry chemical.

**Unsuitable Extinguishing Media**
None

**Specific Hazards Arising from the Chemical**
May liberate chlorine gas if heated to high temperature. May burn if exposed to high temperature.

**Hazardous Combustion Products**
Chlorine gas.

**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 and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

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

**Personal Precautions**
Avoid contact with skin, eyes and clothing. Avoid inhalation of dust. Ensure adequate ventilation. Use personal protective equipment.
Environmental Precautions

Environmental Precautions
Avoid release to the environment. Collect spillage. See Section 12 for additional Ecological Information Dispose of contents/container to an approved waste disposal plant. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.

Methods and materials for containment and cleaning up

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

Methods for Cleaning Up
Collect and reuse if possible. After cleaning, flush away traces with water.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling
Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not breathe vapors or spray mist. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Storage
Keep container tightly closed. Keep container closed when not in use. Keep out of the reach of children.

Incompatible Products
Acids. Hot water.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure Guidelines
This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering Measures
Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection
Tightly fitting safety goggles.

Skin and Body Protection
Rubber gloves.

Respiratory Protection
If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Hygiene Measures
Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks/Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Solid</td>
<td>Appearance</td>
</tr>
<tr>
<td>Odor</td>
<td>Chlorine</td>
<td>Odor Threshold</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Off white</td>
</tr>
<tr>
<td></td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>pH</td>
<td>9</td>
<td>None known</td>
</tr>
<tr>
<td>Melting Point/Range</td>
<td>60 °C / 140 °F</td>
<td>None known</td>
</tr>
<tr>
<td>Boiling Point/Boiling Range</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Flash Point</td>
<td>No data available</td>
<td>None known</td>
</tr>
</tbody>
</table>
Evaporation rate: No data available
Flammability (solid, gas): No data available
Flammability Limits in Air
  upper flammability limit: No data available
  lower flammability limit: None known
Vapor Pressure: No data available
Vapor Density: No data available
Relative Density: No data available
Specific Gravity: No data available
Water Solubility: No data available
Solubility in other solvents: No data available
Partition coefficient: n-octanol/water: No data available
Autoignition Temperature: No data available
Decomposition Temperature: No data available
Viscosity: No data available
Flammable Properties: Not flammable
Explosive Properties: No data available
Oxidizing Properties: Oxidizer

Other information
VOC Content (%): No data available

## 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
High temperatures, very hot water. Do not use Stage 2 with dispenser water temperatures above 140°F. Reduce water temperature to the dispenser if above 140°F.

### Incompatible materials
Acids. Hot water.

### Hazardous decomposition products
Chlorine gas.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

**Product Information**
- **Inhalation**: May cause irritation of respiratory tract.
- **Eye Contact**: Contact with eyes may cause irritation.
- **Skin Contact**: Toxic in contact with skin. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.
Ingestion

Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 Oral (Rat)</th>
<th>LD50 Dermal (Rabbit)</th>
<th>LC50 Inhalation (Rat) 1 h</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium lauryl sulfate</td>
<td>1288 mg/kg</td>
<td>580 mg/kg</td>
<td>&gt; 3900 mg/m³</td>
</tr>
</tbody>
</table>

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms
No information available.

Delayed and immediate effects and also chronic effects from short and long term exposure

Sensitization
No information available.

Mutagenic Effects
No information available.

Carcinogenicity
Contains no ingredient listed as a carcinogen.

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

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

| LD50 Oral | 1516 mg/kg; Acute toxicity estimate |
| LD50 Dermal | 464 mg/kg; Acute toxicity estimate |

12. ECOLOGICAL INFORMATION

Ecotoxicity

Very toxic to aquatic life with long lasting effects.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Toxicity to Algae</th>
<th>Toxicity to Fish</th>
<th>Toxicity to Microorganisms</th>
<th>Daphnia Magna (Water Flea)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dichloroisocyanuric acid, sodium salt</td>
<td>LC50 96 h: 0.13-0.36 mg/L static (Oncorhynchus mykiss)</td>
<td>LC50 96 h: 0.176-0.267 mg/L flow-through (Oncorhynchus mykiss)</td>
<td>LC50 96 h: 0.207-0.389 mg/L flow-through (Lepomis macrochirus)</td>
<td>EC50 48 h: 0.00018 - 0.00021 mg/L (Daphnia magna)</td>
</tr>
<tr>
<td></td>
<td>LC50 96 h: 0.251 mg/L static (Lepomis macrochirus)</td>
<td>LC50 96 h: 0.29 mg/L (Oncorhynchus mykiss)</td>
<td></td>
<td>EC50 48 h: 0.093 - 0.16 mg/L (Daphnia magna)</td>
</tr>
<tr>
<td>Lauric acid</td>
<td>LC50 96 h: = 38 mg/L semi-static (Brachydanio rerio)</td>
<td>LC50 96 h: = 54 mg/L semi-static (Brachydanio rerio)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pentasodium triphosphate</td>
<td>LC50 48 h: = 1650 mg/L (Leuciscus idus)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Sodium lauryl sulfate

| EC50 72 h: | 53 mg/L (Desmodesmus subspicatus) |
| EC50 96 h: | 30 - 100 mg/L (Desmodesmus subspicatus) |
| EC50 96 h: | 117 mg/L (Pseudokirchneriella subcapitata) |
| EC50 96 h: | 5.39 - 15.6 mg/L static (Pseudokirchneriella subcapitata) |

LC50 96 h:

- 8 - 12.5 mg/L static (Pimephales promelas)
- 15 - 18.9 mg/L static (Pimephales promelas)
- 22.1 - 22.8 mg/L static (Pimephales promelas)
- 4.3 - 8.5 mg/L static (Oncorhynchus mykiss)
- 4.62 mg/L flow-through (Oncorhynchus mykiss)
- 4.2 mg/L (Oncorhynchus mykiss)
- 7.97 mg/L flow-through (Brachydanio rerio)
- 9.9 - 20.1 mg/L semi-static (Brachydanio rerio)
- 4.06 - 5.75 mg/L static (Lepomis macrochirus)
- 4.2 - 4.8 mg/L flow-through (Lepomis macrochirus)
- 4.5 mg/L (Lepomis macrochirus)
- 5.8 - 7.5 mg/L static (Pimephales promelas)
- 10.2 - 22.5 mg/L semi-static (Pimephales promelas)
- 6.2 - 9.6 mg/L (Pimephales promelas)
- 13.5 - 18.3 mg/L semi-static (Poecilia reticulata)
- 10.8 - 16.6 mg/L static (Poecilia reticulata)
- 1.31 mg/L semi-static (Cyprinus carpio)

EC50 48 h:
- 1.8 mg/L (Daphnia magna)

Persistence and Degradability
No information available.

Bioaccumulation
No information available.

Other Adverse Effects
No information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods
Dispose of in accordance with federal, state, and local regulations.

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>California Hazardous Waste</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dichloroisocyanuric acid, sodium salt</td>
<td>Ignitable</td>
</tr>
</tbody>
</table>

14. TRANSPORT INFORMATION

DOT
- UN-Number: UN2465
- Proper shipping name: Dichloroisocyanuric acid, salts
- Hazard Class: 5.1
- Packing Group: II
- Reportable Quantity (RQ): Pentasodium triphosphate: RQ kg= 9080.00
- Description: UN2465, Dichloroisocyanuric acid, salts, 5.1, II, RQ
- Emergency Response Guide Number: 140
15. REGULATORY INFORMATION

International Inventories

<table>
<thead>
<tr>
<th>Inventory</th>
<th>Complies</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA</td>
<td></td>
</tr>
<tr>
<td>DSL</td>
<td></td>
</tr>
<tr>
<td>EINECS</td>
<td></td>
</tr>
<tr>
<td>ENCS</td>
<td></td>
</tr>
<tr>
<td>IECSC</td>
<td></td>
</tr>
<tr>
<td>KECL</td>
<td></td>
</tr>
<tr>
<td>PICCS</td>
<td></td>
</tr>
<tr>
<td>AICS</td>
<td></td>
</tr>
</tbody>
</table>

Legend

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 Commercial Chemical Substances/EU List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

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

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Health Hazard</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chronic Health Hazard</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>Fire Hazard</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Sudden Release of Pressure Hazard</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Reactive Hazard</td>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>

Clean Water Act

This product contains no substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, contains no substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
<th>Illinois</th>
<th>Rhode Island</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dichloroisocyanuric acid, sodium salt</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Pentasodium triphosphate</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trisodium phosphate</td>
<td>X</td>
<td>X</td>
<td>X</td>
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U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazard</th>
<th>Flammability</th>
<th>Instability</th>
<th>Physical and Chemical Hazards</th>
<th>Personal Protection</th>
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</thead>
<tbody>
<tr>
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<td>1</td>
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</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health Hazard</th>
<th>Flammability</th>
<th>Physical Hazard</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2*</td>
<td>0</td>
<td>1</td>
<td>B</td>
</tr>
</tbody>
</table>
Prepared By
Sunburst Chemicals
220 West 86th Street
Bloomington, MN 55420
952-884-3144

Issuing Date
08-Oct-2014
Revision Date
08-Oct-2014
Revision Note
New Issue

General Disclaimer
The information provided on this MSDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of Safety Data Sheet