

# Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

# U.S. Department of Labor

Occupational Safety and Health Administration  
(Non-Mandatory-Form)  
Form Approved  
OMB No. 1218-0072

**IDENTITY (As Used on Label and List)**

SUNSAN<sub>2</sub>

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

NA = Not Applicable NIA = No Information Available

**Section I**

|   |  |
|---|--|
| Manufacturer's Name<br>Sunburst Chemicals, Inc.                           | Emergency Telephone Number<br>1-866-303-6943 (7 days/24 hours) |
| Address (Number, Street, City, State, and ZIP Code)<br>220 W. 86th Street | Telephone Number For Information<br>(952) 884-3144             |
| Bloomington, MN 55420   | Date Prepared<br>05-26-11                                      |
|   | Signature of Preparer (optional)                               |

**Section II - Hazardous Ingredients/Identity Information**

| Hazardous Components (Specific Chemical Identity; Common Name(s)) | OSHA PEL            | ACGIH TLV          | Other Limits Recommended | % (optional) |
|---|---------------------|--------------------|--------------------------|--------------|
| Sodium Hypochlorite - CAS #7681-52-9                              | NIA                 | NIA                |                          | 5-7%         |
| Sodium Hydroxide 1310-73-2  | 2 mg/m <sup>3</sup> | 2mg/m <sup>3</sup> |                          | 0.1-2%       |
|   | Ceiling             |                    |                          |              |
|   |                     |                    |                          |              |
|   |                     |                    |                          |              |
|   |                     |                    |                          |              |
|   |                     |                    |                          |              |
|   |                     |                    |                          |              |
|   |                     |                    |                          |              |

**Section III - Physical/Chemical Characteristics**

|  |        |   |      |
|--|--------|---|------|
| Boiling Point  | 230 °F | Specific Gravity (H <sub>2</sub> O= 1)  | 1.08 |
| Vapor Pressure (mm Hg.)<br>20°C                            | 22     | Melting Point                           | NA   |
| Vapor Density (AIR= 1)                                     | 1      | Evaporation Rate<br>(Butyl Acetate = 1) | NA   |
| Solubility In Water<br>Complete.                           |        |   |      |
| Appearance and Odor<br>Clear yellow liquid, chlorine odor. |        |   |      |

**Section IV - Fire and Explosion Hazard Data**

|   |                  |           |           |
|---|------------------|-----------|-----------|
| Flash Point (Method Used)<br>None.  | Flammable Limits | LEL<br>NA | UEL<br>NA |
| Extinguishing Media<br>Water, CO <sub>2</sub> , Dry chemical.   |                  |           |           |
| Special Fire Fighting Procedures<br>Flood containers with cool water to keep from rupturing.                  |                  |           |           |
| Unusual Fire and Explosion Hazards<br>In extreme heat containers can rupture and chlorine gas may be evolved. |                  |           |           |

| HMIS   |              | NFPA                 |             |  |                 |                               |
|--------|--------------|----------------------|-------------|--|-----------------|-------------------------------|
| HEALTH | FLAMMABILITY | HEALTH HAZARD        | FIRE HAZARD | Flash Points                                 | SPECIFIC HAZARD | REACTIVITY                    |
| 3      | 0            | 4 Deadly             | 4           | Below 73° F (Boiling pt. below 100° F)       | Oxidizer OX     | 4 May detonate                |
| 2      | X            | 3 Extreme danger     | 3           | Below 73° F (Boiling pt. at/above 100° F)    | Acid ACID       | 3 Shock and heat may detonate |
| B      |              | 2 Hazardous          |             | and/or at/above 73° F - not exceeding 100° F | Alkali ALK      | X 2 Violent chemical change   |
|        |              | 1 Slightly hazardous | 2           | Above 100° F, Not Exceeding 200° F           | X Corrosive COR | 1 Unstable if heated          |
|        |              | 0 Normal material    | 1           | Above 200° F                                 | Use NO WATER    | 0 Stable                      |
|        |              |                      | 0           | Will not burn                                | Radioactive     |                               |

**Section V - Reactivity Data**

|   |                |   |  |
|---|----------------|---|--|
| Stability   | Unstable       | X | Conditions to Avoid<br>Heat, acids, ammonia or ammonium compounds. |
|   | Stable         |   |  |
| Incompatibility ( <i>Materials to Avoid</i> )<br>Strong acids, ammonia. |                |   |  |
| Hazardous Decomposition or Byproducts<br>Chlorine gas, chloramines.     |                |   |  |
| Hazardous Polymerization  | May Occur      |   | Conditions to Avoid  |
|   | Will Not Occur | X |  |

**Section VI - Health Hazard Data**

|  |                                       |                        |                          |
|--|---------------------------------------|------------------------|--------------------------|
| Routes(s) of Entry:  | Inhalation?<br>Danger of Chlorine gas | Skin?<br>Yes           | Ingestion?<br>Not Likely |
| Health Hazards ( <i>Acute and Chronic</i> )<br><u>ACUTE</u> - Skin & Eyes - burns, severe eye damage, blindness. <u>INGESTION</u> - poisoning, gastric distress. <u>CHRONIC</u> - NIA.   |                                       |                        |                          |
| Carcinogenicity:   | NTP?<br>No                            | IARC Monographs?<br>No | OSHA Regulated?<br>No    |
| Signs and Symptoms of Exposure<br><u>SKIN</u> - warm sensation, white bubbles form. <u>EYES</u> - severe burning sensation.<br><u>INGESTION</u> - severe pain in mouth and throat, choking.  |                                       |                        |                          |
| Medical Conditions Generally Aggravated by Exposure<br>Open sores or wounds, chronic respiratory problems.   |                                       |                        |                          |
| Emergency and First Aid Procedures<br><u>EXTERNAL</u> - thoroughly rinse with water for at least 15 minutes. Get immediate medical attention if irritation persists. <u>INTERNAL</u> - drink a large quantity of water. Get immediate medical attention. |                                       |                        |                          |

**Section VII - Precautions for Safe Handling and Use**

|   |  |  |  |
|---|--|--|--|
| Steps to Be Taken in Case Material is Released or Spilled<br>Absorb spilled material with an absorbent material such as clay, or sand.<br>Sweep up as much of this as possible and place in a sealed, labeled container or in a proper landfill. Thoroughly rinse the affected area with water. |  |  |  |
| Waste Disposal Method<br>Spilled material should be collected as above for disposal in a landfill according to Federal, State, and Local regulations. Any rinsing of the affected area should also be in accordance with Federal, State and Local regulations.                                  |  |  |  |
| Precautions to Be Taking in Handling and Storing<br>Avoid contact with skin or clothing. Store between 50-80°F. Keep tightly closed when not in use.  |  |  |  |
| Other Precautions<br>Do not allow concentrated product to dry on cloth, paper or flammable material as fire may result. Keep out of reach of children.  |  |  |  |

**Section VIII - Control Measures**

|   |   |                |  |
|---|---|----------------|--|
| Respiratory Protection ( <i>Specify Type</i> )<br>If chlorine gas is expected use self contained breathing apparatus. |   |                |  |
| Ventilation   | Local Exhaust<br>Use in well ventilated areas.      | Special<br>NIA |  |
|   | Mechanical ( <i>General</i> )<br>NIA                | Other<br>NIA   |  |
| Protective Gloves<br>Rubber or vinyl required.  | Eye Protection<br>Safety glasses, goggles required. |                |  |
| Other Protective Clothing or Equipment<br>Rubber or vinyl apron or boots.   |   |                |  |
| Work/Hygienic Practices<br>Quickly and thoroughly clean up any spills. Always wash hands after handling.              |   |                |  |