

Material Safety Data Sheet – Sanitizer c

MSD # 070

Manufacturer: Burns Chemical Systems, Inc.
3003 Venture Court
Export, PA 15632

Date Prepared: 6-Jun-06
Date Revised: 1-2-2006

Emergency Telephone: (800) 535-5053

Composition, Information on Ingredients

Chemical Name
Sodium Hypochlorite

Weight
6%

Exposure Limits
None*

CAS Number
7681-52-9

*No exposure limits established by OSHA, ACGIH or NIOSH. AIHA recommends 2.0 mg/m³/15 minutes.

L.C.D.
Reorder # 455

Hazards Identification

Emergency Overview: Causes severe but temporary eye injury. May cause irritation to respiratory tract, skin and mucous membranes. The following medical conditions may be aggravated by exposure to high concentration of vapor or mist; heart conditions or chronic respiratory problems such as asthma, chronic bronchitis or obstructive lung disease. Under normal use conditions, the likelihood of any adverse effects is low. Store away from combustibles. Keep container tightly closed. Use only with adequate ventilation.

Potential Health Effects:

Eye Contact: May cause severe irritation and temporary eye damage.

Skin Contact: May cause irritation and itching.

Inhalation: May cause irritation, possibly severe. May also cause coughing, nausea and vomiting.

Ingestion: May cause irritation, possibly severe. May also cause vomiting, nausea and stomach pain.

First Aid Measures

If overexposure occurs, have MSDS and label information available and contact a poison control center or seek medical attention immediately.

Eye Contact: Wash eyes immediately with large quantities of water or normal saline solution, occasionally lifting eyelids, until no evidence of chemical remains (at least 15 to 20 minutes). Get medical attention if irritation persists.

Skin Contact: Remove contaminated clothing and shoes immediately. Wash affected area with water until no evidence of chemical remains (at least 15 to 20 minutes).

Inhalation: Remove from exposure area to fresh air immediately.

Ingestion: If conscious, give water or milk, do not use emesis or gastric lavage or acid antidotes. Treat supportively and symptomatically.

Fire Fighting Measures

Negligible fire hazard when exposed to heat or flame.

Flash Point: None

Lower Flammable Limit (LFL): N/A

Method Used: N/A

Auto-Ignition Temperature: N/A

Upper Flammable Limit (UFL): N/A

Extinguishing Media: N/A

Unusual Fire and Explosion Hazards: Oxidizer, thermal decomposition products may include toxic and corrosive fumes of chlorine and oxygen which will increase the burning rate of combustible materials.

Fire-Fighting Equipment and Procedures: Move container from fire area if it can be done without risk.

Accidental Release Measures

Immediately remove and properly dispose of any spilled material. Small quantities of less than 5 gallons may be flushed down the drain. Discharge slowly to sewer, if permitted by local, state and federal regulations. Reportable quantity (RQ): 100 pounds.

Handling and Storage

Store away from incompatible materials. Store in a cool, dry, well-ventilated area, protected from light. Observe all federal, state and local regulations when storing, consult NFPA Publication 43A (Storage of Liquid and Solid Oxidizing Materials). Avoid excessive heat, contamination of any kind.

Exposure Controls, Personal Protection

Provide local exhaust ventilation and/or general dilution ventilation to meet published exposure limits. Avoid breathing vapor and mist. Wear chemical splash goggles and protective gloves to prevent eye or skin contact.

Physical and Chemical Properties

Appearance and Odor: White solid block

Physical State: Liquid

pH: 8.0 to 9.0

Vapor Pressure: N/A

Reactivity in Water: None

Boiling Point: Decomposes

Specific Gravity: > 1.0

Vapor Density: N/A

Solubility in Water: Complete

Freezing/Melting Point: N/A

Molecular Weight: Not Determined

Evaporation Rate: > 1 (ether=1)

Stability and Reactivity

Strong oxidizing agent.

Stability (Conditions to Avoid): Stable under normal conditions of temperature and pressure.

Incompatibility (Specific Materials to Avoid): Acids, aluminum, zinc, organic and combustible materials, nitrogen compounds, methanol and reducing agents. May react with other cleaning chemicals such as toilet bowl cleaners, rust removers, vinegar, and ammonia generating chlorine or chlorine-containing compounds. Mix only with water.

Hazardous Polymerization: Will not occur under normal conditions.

Hazardous Decomposition Products: Thermal decomposition may release toxic and corrosive fumes of chlorine.

Toxicological Information

Eye Contact: May cause redness, pain and blurred vision. Solutions of 5% splashed in human eyes have caused a burning sensation and later only slight superficial disturbances of the corneal epithelium which later cleared completely.

Skin Contact: Extent of damage depends on concentration, pH, volume of solution and duration of contact. May cause redness, pain, blistering, itchy eczema and chemical burns. May be a sensitizer and cause dermatitis.

Inhalation: May cause severe bronchial irritation, sore throat with possible blistering, coughing, stomatitis, nausea and labored breathing.

Ingestion: May cause irritation of the mucous membranes, vomiting, abdominal pain and edema (possibly severe). Cyanosis and circulatory collapse. Death may occur, usually due to complications of severe local injury such as toxemia, shock, perforations, hemorrhage, infection and obstruction. Massive ingestions may produce fatal hyperchloremic metabolic acidosis or aspiration pneumonitis.

Carcinogen Status: No components listed by NTP, IARC or OSHA as known or suspected human carcinogens.

Ecological Information

No Data Available

Disposal Considerations

Ensure disposal in compliance with applicable federal, state, local and provincial regulations. Dispose of in accordance with 40 CFR 262. EPA Hazardous Waste Number, D001. CERCLA reportable quantity 100 pounds. Contact the manufacturer for additional information.

Transport Information

U.S. Department of Transportation (49 CFR Parts 171 to 180)

Hazard Classification: Hazard Class 8 Corrosive Material

Proper Shipping Name: Corrosive Liquid N.O.S. (contains Sodium Hypochlorite UN 1791)

Labeling Requirement: Corrosive

Packaging Group: III

Regulatory Information

OSHA 29 CFR 1910.1200: This product contains hazardous components.

Toxic Substances Control Act: Components of the product are on the TSCA inventory.

CERCLA 40 CFR 302: Hazardous Substance with reportable Quantity of 100 lbs.

SARA title III: Hazardous Categories – Acute Hazards