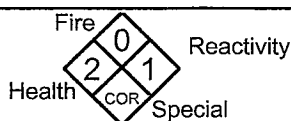


HAZARD RATING
4-EXTREME
3-HIGH
2-MODERATE
1-SLIGHT
0-INSIGNIFICANT



MATERIAL SAFETY DATA SHEET

(Prepared according to 29 CFR 1910. 1200)

Date Prepared: 11-24-08

SECTION 1 - PRODUCT IDENTIFICATION

Company Name Daley International Emergency Telephone No. 1-800-535-5053
Address 4100 W. 76th Street, Chicago, IL 60652 Information Telephone No. 773-284-6565
Product Name / ID# LTS (7480) Product Type Liquid Sanitizer ☒ Proprietary Product

SECTION 2 - HAZARDOUS INGREDIENTS

Chemical Name/Common Name	Cas No.	Percent (optional)	TLV (Source)
Sodium Hypochlorite	7681-52-9	5.25%	2mg/m ³ ceiling

☐ * Substances ☒ Contains no substances - subject to the reporting requirements of SARA 313 and 40 CFR Part 372.

SECTION 3 - PHYSICAL DATA

Boiling Point (°F) approx. 219°F Specific Gravity (H₂O=1.0) 1.104 ± 0.005 pH 12.0 ± 0.5 % VOC (ww) 0%
Solubility In Water ☒ Complete ☐ Insoluble ☐ Emulsifiable or (Dispersible) ☐ Slight (or Partial)
Evaporation Rate (vs H₂O) ☐ Faster ☐ Slower ☒ About the Same Vapor Pressure NE Vapor Density NE
Appearance and Odor Clear to light yellow thin liquid, pungent, irritating bleach odor.

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point (T.C.C.) ☒ None to boiling Flammable Limits Upper NA Lower NA
Extinguishing Media As appropriate for surrounding fire.

Special Fire Fighting Procedures NA

Unusual Fire Explosion Hazards Not considered an explosion hazard.

SECTION 5 - REACTIVE DATA

Stability Decomposes when heated Incompatibility Reacts vigorously with amines, ammonium salts, reducing agents, methanol, acids & most organics. Will liberate chlorine gas.
Hazardous Decomposition Products Decomposes under various mechanisms. May generate chlorine or oxygen which may be toxic and explosive, respectively.

SECTION 6 - HEALTH HAZARDS

Threshold Limit Value Product See Section 2 for Ingredients TLV ☒ None Established ☐ Not Applicable Primary routes of Exposure ☒ Eyes ☒ Skin ☒ Oral ☒ Inhalation
Signs Symptoms of Over-exposure (Acute) Direct contact with eyes may cause redness, pain and irritation. Liquid contact with skin may produce irritations of the skin with blistering. Ingestion of a few ounces can cause corrosion of mucous membranes, swelling of the throat, perforation of the esophagus and stomach, vomiting, colitis and circulatory collapse. May lead to convulsions, coma and possibly death. Inhalation of mist & fumes can cause bronchial irritation, cough, difficult breathing, inflammation of the mouth, and nausea.
Signs Symptoms of Over-exposure (Chronic) Prolonged or repeated exposure can lead to constant irritation of eyes and throat and may cause dermatitis and sensitization.
Medical Conditions Aggravated by Over-exposure Asthma or other pre-existing lung/respiratory illnesses
Carcinogen/Suspected Carcinogen Ingredients: ☐ NTP ☐ IARC ☐ OSHA ☒ None

SECTION 7 - FIRST AID PROCEDURES - (If any Condition persists - Consult a physician.)

Eyes Flush with water for 15 minutes, while holding eyelids open. Get immediate medical attention.
Skin Wash with water for 15 minutes. Remove any contaminated clothing and wash before reuse.
Ingestion Drink water or milk. Do NOT induce vomiting or administer baking soda or acidic antidotes. Call a physician immediately.
Inhalation Remove to fresh air if qualified. Give artificial respiration or oxygen as necessary and/or seek medical help.

SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection Recommended in or about an area of potential mist exposure. Use NIOSH/MSHA approved respirators.
Ventilation requirements ☒ Local Exhaust ☒ Mechanical As needed to minimize exposure to vapors or mists.
Protective Gloves Rubber Eye Protection Safety goggles.
Other Protective Clothing Rubber apron, sleeves, and boots, if splashing may occur or when handling large volume of material.

SECTION 9 - SPILL OR LEAK PROCEDURES

Steps to be Taken if Released or Spilled Do not allow to enter sewers or streams or areas where other mixing with other liquid may occur. Ventilate area of leak or spill. Avoid heat and contamination with acid materials. Check all government regulations.

Waste Disposal Methods Recover liquid when possible. Collect liquid in an appropriate container or absorb with inert material. Do not use combustible material such as saw dust.

SECTION 10 - STORAGE AND HANDLING INFORMATION

Precautions to be Taken in handling and Storage Store so as to be inaccessible to children Store in vented, closed, clean, non-corrosive containers in cool, dry location away from sunlight. Store at temperatures below 85°F. Wash thoroughly after handling.