

# Material Safety Data Sheet



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**FOR CHEMICAL EMERGENCY: CALL INFOTRAC 1-800-535-5053 24 Hrs. per day, 7 days per week**

Date Revised: June 5, 2006

## 1. Chemical Identification

Common Name: Sodium Hypochlorite Solution

Ref #: 11507 (16 oz)

## 2. Composition/Information on Ingredients

Sodium Hypochlorite CAS # 7681-52-9 Percent: 6%

## 3. Hazards Identification

**Acute Toxicity:** Corrosive and strongly irritating to the eyes, skin, and respiratory tract. Inhalation of fumes may cause pulmonary edema. Ingestion may cause burns to the mouth and digestive system and abdominal distress.

**Chronic Toxicity:** No data available.

## 4. First Aid Measures

**Eye Contact:** Immediately flush eyes with a directed stream of water for at least 15 minutes while forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissue.

**Skin Contact:** Flush thoroughly with cool water under shower while removing contaminated clothing and shoes. Discard non-rubber shoes. Wash clothing before reuse. Seek medical attention immediately.

**Inhalation:** Remove to fresh air. If breathing is difficult, have qualified person administer oxygen. If respiration stops, give artificial respiration. Get medical attention immediately.

**Ingestion:** Do not induce vomiting. Give large quantities of milk or water. If vomiting occurs spontaneously keep airway clear and give more milk or water. Get medical attention immediately.

## 5. Fire Fighting Measures

Flash Point and Method: N/A

**Extinguishing Media:** Use water spray, fog, foam, dry chemical, or carbon dioxide or agents suitable for materials in surrounding fire.

**Special Fire Fighting Procedures:** Use self-contained breathing apparatus and full protective equipment. Acid contamination will produce very irritating fumes similar to chlorine.

**Unusual Fire and Explosion Hazards:** Sodium Hypochlorite or its solutions decompose when heated. Decomposition products may cause containers to rupture or explode. Vigorous reaction is possible with organic materials or oxidizing agents and may result in fire.

## 6. Accidental Release Measures

Do not allow spilled material to enter sewers or streams. Flush with water to dilute as much as possible and pump into polyethylene containers for disposal. Avoid heat and contamination with acid materials. Do not use combustible materials such as sawdust to absorb Sodium Hypochlorite Solution.

## 7. Handling and Storage

Do not store adjacent to chemicals that may react if spillage occurs. Comply with DOT regulations when shipped. If closed containers become heated, vent to release decomposition products (mainly oxygen under normal decomposition). Do not mix or contaminate with ammonia, hydrocarbons, acids, alcohols or ethers.

## 8. Exposure Controls/Personal Protection

Exposure Limit Method:

1 ppm as Cl<sub>2</sub> PEL

1 ppm as Cl<sub>2</sub> TLV/TWA

**Respiratory Protection:** NIOSH/MSHA approved respirator, following manufacturer's recommendations should be used as a precautionary measure where airborne contaminants may occur.

**Eye Protection:** Wear chemical safety goggles plus full face shield to protect against splashing when appropriate.

**Exhaust Required:** Provide good general room ventilation plus local exhaust at points of emission.

**Protective Gloves:** Wear impervious gloves such as rubber, neoprene or vinyl.

**Special Protective Clothing:** Wear impervious protective clothing including rubber safety shoes. Eye wash facility and emergency shower should be in close proximity.

## 9. Physical and Chemical Properties

**Appearance:** Colorless to light yellow liquid

**Odor:** Chlorine

**Solubility in Water:** Miscible

**pH (@ 25 C):** 11.5

**Boiling Point (° F):** 220

**Melting Point:** 30.5 F

**Vapor Pressure (mm Hg @ 25 C):** 23

**Specific Gravity (H<sub>2</sub>O = 1):** 1.190 – 1.215

## 10. Stability and Reactivity

**Hazardous Polymerization:** Will not occur

**Hazardous Decomposition Products:** Acid fumes

**Conditions Contributing to Instability:** Strong oxidizer, stability decreases with concentration; heat, light, decrease in pH and contamination by metals.

## 11. Toxicological Information:

Data not available

## 12. Ecological Information

This pesticide is toxic to fish and aquatic organisms.

Section 311 of the Clean Water Act lists this product as a hazardous substance, which if discharged to water may require immediate response to mitigate danger to public health and welfare. Spills of 100 pounds or more must be reported to the National Response Center at the following number: 1-800-424-8802.

**13. Disposal Considerations:**

Product should be completely removed from containers. Material that cannot be used or chemically reprocessed should be disposed of in a manner meeting government regulations.

**14. Transit Information**

Proper Shipping Name: Consumer Commodity  
Hazard Class: ORM-D  
Subsidiary Hazard Class: N/A  
Identification #: N/A  
Packaging Group: N/A  
Labels: N/A  
Remarks: Qualifies for CFR 173.154 consumer commodity exception

**15. Regulatory Information**

Material is contained on a composite list as required under 101 (14) of CERCLA.  
Sodium Hypochlorite Solution is regulated by the USEPA under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) as a pesticide product.

**16. Other Information:**

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. In no event will the manufacturer or the distributor be responsible for damages of any nature whatsoever resulting from the use of or reliance upon this information. General properties are to be regarded as guidelines and are not guaranteed for all samples.