

**IDENTITY (As Used on Label and List): ELITE BLEACH**

**Section 1**

Manufacturer's Name  
 Chem Chemicals  
 Manufacturer's Address  
 270 Rocus Street  
 Springfield, MA 01104  
 Date Prepared September 30, 1992  
 Revision: No.2; Replaced Version Dated March 3, 1992

Emergency Telephone Number:  
 CHEMTREC: (800) 424-9300  
 Telephone Number for Information  
 (800) 457-4449  
 DOT Shipping Name: Hypochlorite Solution  
 DOT Hazardous Substance: RQ 100 lbs  
 DOT Hazardous Guide: #60

**Section 2: Hazardous Ingredients/Identity Information**

**HAZARDOUS COMPONENTS**

SPECIFIC CHEMICAL IDENTITY:	Sodium Hypochlorite	Sodium Hydroxide
UN#	1791	1824
CAS NUMBER:	7681-52-9	1310-73-2
OSHA PEL	None Established	2 mg/m <sup>3</sup> ceiling
ACGIH TLV	None Established	2 mg/m <sup>3</sup> ceiling
(4-OPTIONAL)	5.25% 5.4%	0.1 - 0.2%
DOT CLASSIFICATION	Corrosive	Corrosive

**NFPA Hazard Designations**

Health 3 Warning, Corrosive. Avoid skin and eye contact, inhalation, or ingestion.  
 Flammability 0 - Non combustible.  
 Reactivity 1 - Caution: May decompose if heated.  
 Personnel Protection H - Safety Goggles, Gloves, Apron, Vapor Respirator

**Section 3: Physical/Chemical Characteristics**

Boiling Point:	220°F	Melting Point	+25°F
Vapor Pressure (mm Hg.)	-----	Evaporation Rate(Butyl Acetate=1)	-----
Vapor Density (AIR= 1)	-----	Appearance and Odor	Clear - Light Yellow Liquid with Characteristic Chlorine Odor
Solubility in Water	Completely Soluble		
Specific Gravity (H <sub>2</sub> O = 1)	1.08-1.09		

**Section 4: Fire and Explosion Hazard Data**

Flash Point (Method Used) Non-Flammable  
 Flammable Limits N/A  
 LEL -----  
 UEL -----  
 Extinguishing Media Suitable for surrounding fire  
 Special Fire Fighting Procedures Wear self-contained breathing apparatus with full protective clothing. Avoid body contact and inhalation of fumes.  
 Unusual Fire and Explosion Hazards Strong oxidizer. Contact with combustibles may initiate or promote combustion. Acids and heat accelerate decomposition. Decomposition products may include chlorine. Toxic fumes can be liberated by heat or decomposition.

**Section 5: Reactivity Data**

Stability Product is stable and decomposes naturally with age.  
 Conditions to Avoid Excessive exposure to heat and light, or contact with incompatible materials.  
 Materials to Avoid Acids, ammonia, metals, combustibles, detergents, reducing agents, oxidizable materials, chlorinated isocyanurates.  
 Hazardous Decomposition Products Chlorine, Hydrochloric Acid, Hypochlorous Acid, Oxygen

# Material Safety Data Sheet

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## Section 6: Health Hazard Data

Routes of Entry:	Inhalation	Yes	Skin	Yes	Ingestion	Yes
<b>Health Hazards (Acute and Chronic)</b>	Severe irritant to skin, eyes, nose, throat and gastrointestinal tract. Prompt treatment is important to minimize effects of overexposure.					
<b>Acute</b>						
<b>Chronic</b>	Eyes:		Severe irritant			
	Skin:		Severe irritant			
	Inhalation:		Irritant to respiratory tract			
	Ingestion:		Corrosion of mucous membranes; perforation of esophagus and stomach. May lead to convulsions, coma and death.			
<b>Carcinogenicity</b>	NTP:		Not listed			
	IARC Monographs		Not listed			
	OSHA Regulated		Not listed			
<b>Signs and Symptoms of Exposures</b>	Eyes And Skin:		Severe irritation and reddening.			
	Respiratory Tract:		Coughing and irritation. May cause shortness of breath, sore throat and laboured breathing.			
	Ingestion		Nausea and vomiting, possible perforation of esophagus and stomach, convulsions, coma, and death.			
<b>Medical Conditions Generally Aggravated by Exposure</b>			Vapors may aggravate respiratory ailments.			
<b>Emergency and First Aid Procedures</b>	Eyes		Flush with water for at least 15 minutes and call physician.			
	Skin:		Flush affected areas with plenty of water. Remove contaminated clothing and wash with soap and water. If skin is burned, call physician.			
	Inhalation:		Remove victim to fresh air and call physician if breathing is difficult.			
	Ingestion:		Rinse mouth with water. Drink large amounts of water and/or milk. Do not induce vomiting. Call Physician. <b>DO NOT USE BAKING SODA OR ACIDIC ANTIDOTES</b>			

## Section 7: Precautions for Safe Handling and Use

### Steps to be Taken in case Material is Released or Spilled:

Toxic to fish and aquatic life. Do not allow material to enter sewers, streams, ponds, storm drains. Personnel involved with clean-up must be equipped with NOISH approved respiratory protection, eye protection, rubber boots, rubber gloves and protective clothing.

### Waste Disposal Method:

Do not absorb spills with flammable materials such as sawdust or combustible absorbents. Contain spills in as small an area as possible for neutralization and dilution. Absorbant material is best placed in plastic containers. Dispose of residue in accordance with Federal, State and Local Regulations.

### Precautions to be Taken in Handling and Storing:

Store in ventilated containers away from sunlight; separate from acids, heat, oxidizing materials, ammonia, hydrocarbons, alcohols, ethers or isocyanurates. Store in cool area.

### Other Precautions:

Do not mix with other cleaning agents containing acids or ammonia. These may liberate chlorine and chloramines upon mixing. Avoid wearing contact lenses when handling this product. Do not store in metal containers.

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## Section 8: Control Measures

<p><b>Respiratory Protection:</b></p> <p><b>Ventilation:</b></p> <p><b>Protective Gloves:</b> Rubber</p> <p><b>Other Protective Clothing or Equipment:</b></p> <p><b>Work/Hygienic Practices:</b></p>	<p>Self-contained breathing apparatus suitable for acid gas and chlorine should be used for strong concentration.</p> <p><b>Local Exhaust:</b> Yes    <b>Mechanical(General):</b> Recommended</p> <p><b>Eye Protection:</b> Chemical Splash Goggles</p> <p>Eye wash station; safety shower; hard hats; Rubber boots; Protective Clothing</p> <p>Avoid skin and vapor contact. Wash thoroughly after using.</p>
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## Section 9: Additional Information

<p><b>TSCA INVENTORY:</b></p> <p><b>SARA TITLE III HAZARD CATAGORIES:</b></p>	<p>Listed</p> <p>Health:                    Immediate: (Acute)</p> <p>Physical:                 Reactive Hazard</p>
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When empty returnable containers must be shipped in accordance with Federal, State and DOT regulations. All residual product must be removed by triple rinsing the container with water.

This product is regulated by the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) if used as a sanitizer or disinfectant. Repackagers must obtain EPA Registration and Establishment numbers.

### DISCLAIMER:

As of the date of preparation of this document, the foregoing information is believed to be accurate and is provided in good faith to comply with applicable Federal and State law(s). However, no warranty or representation with respect to such information is intended or given.

It is the user's obligation to determine the conditions of safe use of this product. Each user should study this Material Safety Data Sheet to become aware of the product hazards. Additional resources may have to be consulted to insure safe handling, storage and use.