

# MATERIAL SAFETY DATA SHEET

## SECTION 1 -- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME | ST 1250

PRODUCT CODE | 5510

ISSUE DATE | 09-01-13

### EMERGENCY TELEPHONE NUMBERS

**DISTRIBUTOR**                      **Sull-Tech Corporation**  
**STREET ADDRESS**                **17 Long Boad Road**  
**CITY, STATE, ZIP**                **Bourne, Ma 02532**

**Transportation:**                **(800) 424-9300\***  
\* For spill, leak, fire or transport accident emergencies.  
**Product Information:**        **(781) 344-8688**

## SECTION 2 -- COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENT	CAS No.	% by wt.	EXPOSURE LIMITS		
			OSHA PEL	ACGIH TLV	NIOSH REL
Sodium hydroxide	1310-73-2	<15	2 mg/m3 ceiling	2 mg/m3 ceiling	2 mg/m3; 15 min TWA ceiling
Sodium Hypochlorite	7681-52-9	<5	Not Established	Not Established	Not Established

## SECTION 3 -- HAZARDS IDENTIFICATION

<b>EMERGENCY OVERVIEW</b>	<p><b>Causes severe chemical burns.</b>  <b>Harmful or fatal if swallowed.</b>  <b>Eye contact may cause blindness.</b></p>
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POTENTIAL HEALTH EFFECTS	
<b>INGESTION.....</b>	Corrosive and causes severe and permanent damage to mouth, throat and stomach. May be fatal if swallowed.
<b>INHALATION.....</b>	Damages airways and lungs, depending upon amount and duration of exposure. Effects can vary from irritation to bronchitis or pneumonia.
<b>EYE CONTACT.....</b>	Severely corrosive to the eyes, and may cause permanent damage, including blindness.
<b>SKIN CONTACT.....</b>	Corrosive; causes severe skin burns. Harmful contact may not cause immediate pain.

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#### **SECTION 4 -- FIRST AID MEASURES**

<b>INGESTION</b>	If swallowed, DO NOT induce vomiting. Immediately drink a large quantity of water. Never give anything by mouth to an unconscious person. <b>Get medical attention immediately.</b>
<b>INHALATION</b>	If exposed to excessive levels of vapors, remove to fresh air and get medical attention if cough or other symptoms develop. People with asthma or other lung problems may be more susceptible to injury.
<b>EYE CONTACT</b>	Immediately flush eye with plenty of cool, running water. Remove contact lenses if applicable, and continue flushing for at least 15 minutes, holding eyelids apart to ensure thorough rinsing of the entire eye. Get Emergency Medical Attention.
<b>SKIN CONTACT</b>	Immediately flush skin with plenty of cool running water for at least 15 minutes. Remove contaminated clothing and shoes. Continue flushing with water for at least 15 minutes. Get Immediate Medical Attention. Launder clothing before reuse. Discard Shoes.
<b>NOTE TO PHYSICIAN</b>	Information pertaining to ingestion toxicology, therapy, symptomatology and treatment can be found in <u>Clinical Toxicology of Commercial Products</u> , authored by Gosselin, Smith and Hodge and published by Williams & Wilkins, Baltimore, Maryland.

#### **SECTION 5 -- FIRE FIGHTING MEASURES**

<b>FLASH POINT / METHOD</b>	None / N.A.	<b>FLAMMABLE LIMITS</b>	Not flammable or combustible
<b>EXTINGUISHING MEDIA</b>	If involved in a fire, alcohol foam, carbon dioxide, dry chemical or water fog.		
<b>SPECIAL FIRE FIGHTING PROCEDURES</b>	Pressure demand self-contained respiratory protection and protective clothing should be worn by fire fighters.		
<b>FIRE AND EXPLOSION HAZARDS</b>	Not a fire or explosion hazard. Do not mix with acidic chemicals. Releases chlorine gas. Solutions are very alkaline.		

#### **SECTION 6 -- ACCIDENTAL RELEASE MEASURES**

<b>RESPONSE TO SPILLS</b>	Spills: Vacate area of unnecessary personnel. Dike or dam spill. Pump to containers or soak up on inert absorbent. Unused product as a waste is corrosive (D002) by RCRA criteria. Wear proper PPE when cleaning spill.
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#### **SECTION 7 -- HANDLING AND STORAGE**

<b>HANDLING PRECAUTIONS</b>	Wash hands before eating. Keep container tightly closed when not in use. Wear appropriate PPE (Personnel Protective Equipment).
<b>STORAGE PRECAUTIONS</b>	Store in a cool dry place. Keep from freezing. Do not store near acid or combustibles.

### SECTION 8 -- EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>HYGIENIC PRACTICES</b>	Observe label precautions; use personal protective equipment. Avoid breathing mists or vapors of this product.
<b>ENGINEERING CONTROLS</b>	Ventilation to control airborne limits. <b>Facilities using this product must be equipped with eyewash and Shower station.</b>

#### PERSONAL PROTECTIVE EQUIPMENT

X	<b>RESPIRATOR</b>	Respiratory protection required when vapor concentrations exceed exposure limits.
X	<b>GOGGLES / FACE SHIELD</b>	Chemical splash goggles required; also use face shield if exposure is severe
X	<b>APRON</b>	Required; PVC, Neoprene or Vinyl acceptable
X	<b>GLOVES</b>	Required; use PVC, Neoprene or Nitrile with long gauntlet or protective cuff
X	<b>BOOTS</b>	Rubber

### SECTION 9 -- PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE</b>	Clear straw yellow liquid	<b>BOILING POINT</b>	> 212 deg F
<b>ODOR</b>	Bleach	<b>FREEZING POINT</b>	Not established
<b>pH</b>	13.7 (100% concentrate)	<b>VAPOR PRESSURE</b>	Not established
<b>SPECIFIC GRAVITY</b>	1.140	<b>VAPOR DENSITY</b>	Not established
<b>SOLUBILITY IN WATER</b>	Complete	<b>EVAPORATION RATE</b>	Not determined

### SECTION 10 -- STABILITY AND REACTIVITY

<b>CHEMICAL STABILITY</b>		<b>STABLE</b>	X		<b>UNSTABLE</b>	
<b>CONDITIONS TO AVOID</b>	Do not mix with anything but water. Do not use on aluminum, soft metals, or painted surfaces.					
<b>INCOMPATIBILITY</b>	Contact with strong acids produces exothermic reaction and releases chlorine gas.					
<b>HAZARDOUS PRODUCTS OF DECOMPOSITION</b>	None					
<b>POLYMERIZATION</b>		<b>WILL NOT OCCUR</b>	X		<b>MAY OCCUR</b>	
<b>CONDITIONS TO AVOID</b>	Not applicable					

### SECTION 11 -- TOXICOLOGICAL INFORMATION

#### CARCINOGENICITY

	THIS PRODUCT CONTAINS A KNOWN OR SUSPECTED CARCINOGEN
X	THIS PRODUCT DOES NOT CONTAIN ANY KNOWN OR ANTICIPATED CARCINOGENS ACCORDING TO THE CRITERIA OF THE NTP ANNUAL REPORT ON CARCINOGENS AND OSHA 29 CFR 1910, Z

#### OTHER EFFECTS

<b>ACUTE</b>	Not determined
<b>CHRONIC</b>	Not determined

### SECTION 12 -- ECOLOGICAL INFORMATION

<b>BIODEGRADABILITY</b>	<input type="checkbox"/>	<b>CONSIDERED BIODEGRADABLE</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<b>NOT BIODEGRADABLE</b>	<input type="checkbox"/>
<b>BOD / COD VALUE</b>	Not established					
<b>ECOTOXICITY</b>	No data available					

### SECTION 13 -- DISPOSAL CONSIDERATIONS

<b>WASTE DISPOSAL METHOD</b>	Product that cannot be used according to the label must be disposed of as a hazardous waste at an approved hazardous waste management facility. Empty containers may be triple rinsed, then offered for recycling or reconditioning; or puncture and dispose of in a sanitary landfill.								
<b>RCRA CLASSIFICATION</b>	Hazardous, corrosive D002								
<b>RECYCLE CONTAINER</b>	<input type="checkbox"/>	<b>YES</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<b>CODE</b>	2 - HDPE	<input type="checkbox"/>	<b>NO</b>	<input type="checkbox"/>

### SECTION 14 -- TRANSPORT INFORMATION

<b>DOT CLASSIFICATION</b>	<input type="checkbox"/>	<b>HAZARDOUS</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<b>NOT HAZARDOUS</b>	<input type="checkbox"/>
<b>DESCRIPTION</b>	UN 1760, Corrosive Liquids, n.o.s. (Sodium Hydroxide), 8, II					

### SECTION 15 -- REGULATORY INFORMATION

#### REGULATORY STATUS

<input type="checkbox"/>	<b>EPA REGISTERED (UNDER FIFRA)</b>	
<input type="checkbox"/>	<b>FDA REGULATED</b>	
<input checked="" type="checkbox"/>	<b>KOSHER</b>	
<input type="checkbox"/>	<b>SARA TITLE III MATERIAL</b>	
<input checked="" type="checkbox"/>	<b>USDA AUTHORIZED</b>	

### SECTION 16 -- OTHER INFORMATION

#### NFPA CLASSIFICATION

3	<b>BLUE</b>	HEALTH HAZARD
0	<b>RED</b>	FLAMMABILITY
1	<b>YELLOW</b>	REACTIVITY
--	<b>WHITE</b>	SPECIAL HAZARD

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