

# MATERIAL SAFETY DATA SHEET

## SECTION 1 -- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME | Sull-Tech 1650

PRODUCT CODE | 5526

ISSUE DATE | 09-01-2013

### EMERGENCY TELEPHONE NUMBERS

**DISTRIBUTOR**                      **Sull-Tech Corporation**  
**STREET ADDRESS**                **17 Long Boat 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
Potassium hydroxide	1310-58-3	10-12	2 mg/m3 ceiling	2 mg/m3 ceiling	2 mg/m3 ceiling
Sodium Hypochlorite	7681-52-9	3-5	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.

### 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. <b>GET IMMEDIATE MEDICAL ATTENTION.</b>
<b>SKIN CONTACT</b>	Immediately flush skin with plenty of cool running water for at least 15 minutes. Wash with soap and water. If irritation develops or persists, get medical attention. Remove contaminated clothing and shoes; wash before reuse.
<b>NOTE TO PHYSICIAN</b>	Information pertaining to ingestion toxicology, therapy, symptomatology and treatment can be found in <i>Clinical Toxicology of Commercial Products</i> , authored by Gosselin, Smith and Hodge and published by Williams & Wilkins, Baltimore, Maryland. <b>See listing for Lye in Therapeutics Index, Section III.</b>

### 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. Solutions are very alkaline.		

### SECTION 6 -- ACCIDENTAL RELEASE MEASURES

<b>RESPONSE TO SPILLS</b>	Small spills: Flush to sanitary sewer. Mop up residue and rinse area thoroughly with water. Large spills: Dike or dam spill. Pump to containers or soak up on inert absorbent. Unused product as a waste is corrosive (D002) by RCRA criteria.
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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.
<b>STORAGE PRECAUTIONS</b>	Store in a cool dry place. Keep from freezing.

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

HYGIENIC PRACTICES	Observe label precautions; use personal protective equipment. Avoid breathing mists or vapors of this product.
ENGINEERING CONTROLS	General room or local exhaust ventilation is required to meet exposure limits. <b>Facilities using this product must be equipped with an eyewash station.</b>

#### PERSONAL PROTECTIVE EQUIPMENT

X	<b>RESPIRATOR</b>	NIOSH approved respirator for dusts and mists.
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

APPEARANCE	Clear Straw Yellow Liquid	BOILING POINT	> 212 deg F
ODOR	Bleach odor	FREEZING POINT	Not established
pH	>13.0 (100% concentrate)	VAPOR PRESSURE	Not established
SPECIFIC GRAVITY	1.317	VAPOR DENSITY	Not established
SOLUBILITY IN WATER	Complete	EVAPORATION RATE	Not determined

### SECTION 10 -- STABILITY AND REACTIVITY

CHEMICAL STABILITY		STABLE	X		UNSTABLE	
CONDITIONS TO AVOID	<b>Do Not mix with hot water.</b> Avoid contact with acidic materials, aluminum, zinc, soft metals and painted surfaces.					
INCOMPATIBILITY	Contact with strong acids produces exothermic, possibly violent reaction. Releases chlorine gas. Reacts with reducing sugars in food products to form hazardous carbon monoxide vapors. Take proper precautions, especially when using this product in an enclosed or semi enclosed area. <b>Use proper tank entry procedures-monitor for carbon monoxide</b>					
HAZARDOUS PRODUCTS OF DECOMPOSITION	None					
POLYMERIZATION		WILL NOT OCCUR	X		MAY OCCUR	
CONDITIONS TO AVOID	Not applicable					

### SECTION 11 -- TOXICOLOGICAL INFORMATION

#### CARCINOGENICITY

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

#### OTHER EFFECTS

<b>ACUTE</b>	Strongly corrosive to all tissues on exposure.
<b>CHRONIC</b>	Not determined

### SECTION 12 -- ECOLOGICAL INFORMATION

<b>BIODEGRADABILITY</b>	<input type="checkbox"/>	<b>CONSIDERED BIODEGRADABLE</b>	<input 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"/>	<b>CODE</b>	2 - HDPE	<input type="checkbox"/>	<b>NO</b>

### 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. (Potassium 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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