

MATERIAL SAFETY DATA SHEET

Date of Revision: January 2006

SECTION I - PRODUCT IDENTIFICATION

Manufactured by: **VentureTECH Corporation**
10720 Lexington Drive
Knoxville, TN 37932

Information Phone: (865) 966-2532
Emergency Phone: (865) 544-9400

Chemical Name:

Trade Name: **Chlorine Bleach 15%**

Chemical Family: Alkali

Formula: Sodium Hypochlorite

! NFPA Hazard Ratings: Health - 3
! none -> extreme Fire - 0
! 0 -----> 4 Reactivity - 2
! Special Hazard Warning -
! Personal Protection -

SECTION II - HAZARDOUS INGREDIENTS

Principal Hazardous Compound:	Percent:	CAS No:	TLV:
Sodium Hypochlorite	12.8-13.3 wt%	7681-52-9	

SECTION III - PHYSICAL DATA

Appearance & Odor: Yellow Liquid, chlorine odor	Boiling Range: N/A
Percent Volatile by Volume: Non-Volatile	Evaporation Rate: Similar to water
Specific Gravity: 1.2	Vapor Density: NA
Wt. per Gallon: 10 lb.	Solubility in Water: Complete
pH: 1% 10-12	

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flammability Class: Non-Combustible Flash Point: None LEL: UEL:

Extinguishing Media:

Non-Volatile. Fight source of fire with water spray, carbon dioxide, chemical foam, dry chemical as required by surrounding fire.

Special Fire fighting Procedures:

If this material is involved in a fire, NIOSH approved self contained respiratory should be worn. Thermal decomposition Chlorine Gas.

Unusual Fire & Explosion Hazards:

Solutions contain Sodium Hypochlorite. Decomposition under heat may cause pressure in closed containers. Toxic fumes can be liberated by contact with acid or heat. Vigorous reactions can occur with oxidizable materials and organics.

SECTION V - HEALTH HAZARD DATA

Permissible Exposure Level:

None

Effects of Overexposure:

PRIMARY ROUTS OF ENTRY:

(X) Skin Contact (X) Eye Contact (X) Inhalation (X) Ingestion

SIGNS AND SYMPTOMS OF EXPOSURE:

ACUTE: "Practically non-toxic by skin absorption or oral ingestion. Causes severe skin and eye burns.

CHRONIC: Increased irritation.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: CARCINOGENICITY: () OSHA () NTP () IARC

FIRST AID:

Inhalation: Remove from further exposure to fresh air. Support respiration if needed. Consult physician if symptoms persist.

Skin Contact: Remove contaminated clothing and wash contaminated areas with plenty of water for 15 minutes.

Eye Contact: Flush eyes immediately with large quantities of water for 15 minutes, lifting the eyelids occasionally. Get medical attention.

Ingestion: Induce vomiting. Give large quantities of milk or water. Do not use acidic antidotes or sodium bicarbonate. Consult physician if symptoms persist.

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SECTION VI - REACTIVITY DATA

Stability:

() Stable (X) Unstable Depends on temperature, metals contamination and pH

Incompatibility:

Heavy metals, reducing agents and acids.

Conditions to Avoid:

Acid contamination will product irritating fumes similar to chlorine.

Hazardous Decomposition Products:

Chlorine, Oxides of Chlorine and Hydrochloric acid vapors

Hazardous Polymerization:

(X) Will not occur, () May occur

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SECTION VII SPILL OR LEAK PROCEDURES

Steps To Be Taken in Case Material is Released or Spilled:

Confine as much as possible. Dike and absorb with inert material such as Oil dry or Vermiculate for dilution and neutralization. Transfer to containers for disposal. Small spills can be mopped up. Flush contaminated area with plenty of water. Avoid wash water entering natural waterways or public water supplies.

Waste Disposal Method:

Dispose of waste in accordance with Federal, State, and local ordinances.

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SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory Protection:

Use NIOSH/MSHA approved chlorine vapor or acid gas respirator with filter for exposure to fumes, mists and sprays.

Ventilation:

Local Exhaust. Good room ventilation usually adequate for most operations.

Protective Gloves:

Minimize skin contact. Impervious rubber or neoprene gloves recommended.

Eye Protection:

Chemical type goggles or face shield recommended.

Other Protective Equipment:

Wear appropriate protective clothing to prevent contact with product.

Wash hands thoroughly after use. An emergency shower should be available in area.

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SECTION IX - SPECIAL PRECAUTIONS

Precautions To Be Taken in Handling and Storing:

Empty containers should be reconditioned by certified firms. Disposal of empty containers should be in accordance with applicable laws and regulations. Store in a cool, dry place. Keep container closed. Keep out of reach of children.

Other Precautions:

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CHLORINE BLEACH 15%