

# 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: **PLS Destainer**  
Chemical Family: Alkali  
Formula: Sodium Hypochlorite

! NFPA Hazard Ratings: Health - 2  
! none -> extreme Fire - 0  
! 0 -----> 4 Reactivity - 1  
! Special Hazard Warning -  
!  
! Personal Protection -

## SECTION II - HAZARDOUS INGREDIENTS

Principal Hazardous Compound:	Percent:	CAS No:	TLV:
Sodium Hypochlorite	12 %	7681-52-9	Not Established

## 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: 1.14	Vapor Density: NA
Wt. per Gallon: 9.5 lb.	Solubility in Water: Complete
pH: 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 ( ) Inhalation ( ) Ingestion

SIGNS AND SYMPTOMS OF EXPOSURE:

ACUTE: Irritation to skin and mucous membranes.

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.

---

---

## 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

---

---

## 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.

---

---

## 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.

---

---

## 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:

The information in this data sheet has been assembled by the manufacturer based on its own studies and on the work of others. The manufacturer makes no warranties, express or implied as to the accuracy, completeness, or adequacy of the information contained herein. The manufacturer shall not be liable (regardless of fault) to the vendee, the vendee's employees, or anyone for any direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy or furnishing of such information.

PLS DESTAINER