

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: **COMBO Detergent/Bleach**
Chemical Family: Oxidizer
Formula: Proprietary Blend of Phosphates
Silicates and Surface Active Agents
Trichloro isocyanuric acid blend

! 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:
Trichloro isocyanuric acid	0-5%	87-90-1	
Dodecylbenzene Sulfonate	>2 %	1886-81-3	

SECTION III - PHYSICAL DATA

Appearance & Odor: White powder, Chlorine odor	Boiling Range: NA
Percent Volatile by Volume: NA	Evaporation Rate: NA
Specific Gravity: NA	Vapor Density: NA
Wt. per Gallon: NA	Solubility in Water: Complete
pH: NA	

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

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

Extinguishing Media:

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

Special Fire fighting Procedures:

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

Unusual Fire & Explosion Hazards:

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:

Not Established

Effects of Overexposure:

PRIMARY ROUTES OF ENTRY:

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

SIGNS AND SYMPTOMS OF EXPOSURE:

ACUTE: Irritation to skin and mucous membranes

CHRONIC: Severe skin irritation.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Respiratory irritation from excessive breathing of dusts.

Repeated contact may cause redness and dry cracked skin.

CARCINOGENICITY: () OSHA () NTP () IARC

EMERGENCY PROCEDURES: FIRST AID:

Inhalation: Highly toxic Remove from further exposure to dusts. Consult physician if symptoms persist.

Skin Contact: Severe irritant to sensitive skin. 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: Moderately toxic. Induce vomiting. Give large quantities of water or olive oil. Do not use acidic antidotes or sodium bicarbonate. Consult physician if symptoms persist.

SECTION VI - REACTIVITY DATA

Stability:

() Stable (X) Unstable Depends on temperature, exposure to oxidizable metals and pH

Incompatibility:

Nitrogen compounds: Ammonia, amines, heavy metals, reducing agents and acids.

Conditions to Avoid:

Contact with acids will release volumes of fumes similar to Chlorine and heat.

Hazardous Decomposition Products:

Chlorine, Oxides of Chlorine and Phosphorus, Cyanogen Chloride, Nitrogen trichloride, Ammonia

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. Shovel and sweep up powder and transfer to containers for disposal. If in use solutions, dike and absorb with inert material such as Oil dry or Vermiculite. 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 and acid gas respirator with filter for exposure to fumes, mists, dusts and sprays.

Ventilation:

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

More extensive ventilation where excessive dust may be released into work area.

Protective Gloves:

Minimize skin contact. Impervious rubber or neoprene gloves recommended.

Eye Protection:

Chemical type goggles or face shield recommended if exposed to excessive dusts.

Other Protective Equipment:

Wear appropriate protective clothing to prevent contact with product in concentrated form.

Wash hands thoroughly after use.

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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COMBO Powder