

# POWDERED CHLORINE BLEACH

## SECTION I

### HARVARD CHEMICAL RESEARCH, INC.

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Date: 10/10/05

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## SECTION II HAZARDOUS INGREDIENTS/INFORMATION

HAZARDOUS COMPONENTS	CAS#	OSHA / PEL	ACGIH / TLV	OTHER / STEL
1, 3, 5 – Triazine – 2, 4, 6 Trione 1,3 Dichloro sodium salt	87-90-1	NE	NE	

## SECTION III -PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: N/A powder  
Vapor Pressure (mm Hg): N/A  
Vapor Density (Air=1): N/A  
Solubility in Water: COMPLETE

Appearance and odor: White powder and bleach odor.  
Specific Gravity (H2O=1): N/A  
Melting Point: NA  
Evaporation Rate:(Butyl Acetate=1) N/A

## SECTION IV-FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method of test): None

Flammable Limits :LEL: N/A

UEL: N/A

Extinguishing Media: Use water in flooding quantities.

Special Fire Fighting Procedures: Use NIOSH approved self-contained breathing apparatus for chlorine gas vapors.

Explosion Hazards: Bleach decomposes when heated to high temperatures, which may rupture containers.

## SECTION V-REACTIVITY DATA

Stability: Unstable

Incompatibility (Materials to Avoid): acids, ammonia, organic compounds, and salts

Hazardous Decomposition or Byproducts: Chlorine, chlorine dioxide, and chloramines

Hazardous Polymerization: Will not occur.

## SECTION VI-HEALTH HAZARD DATA

Health Hazards (Acute and Chronic): NONE KNOWN

Routes of Entry, Signs of Exposure, and Symptoms of Exposure:

SKIN and EYES: Severe irritant to eyes. Blindness. – Irritation to skin.

INHALATION: Irritation and coughing pulmonary edema

INGESTION: Burning sensation, corrosion of mucous membranes, and vomiting circulatory collapse, convulsions, coma even death.

Medical Conditions Generally Aggravated by Exposure: Unknown

Carcinogenic: ND

Emergency and First Aid Procedures:

SKIN & EYE CONTACT: Remove clothing, immediately – brush off excess chemical – then flush with water. Get medical attention.

For eye contact immediately flush with clear running water for 15 minutes. Get medical attention.

INHALATION: Remove to fresh air. If breathing does not return to normal, get medical attention.

INGESTION: Do not induce vomiting. Immediately drink large quantities of water. Get immediate medical attention.

## SECTION VII-PRECAUTIONS FOR SAFE HANDLING AND USE

SPILLS: Scoop up into open head drum, PH adjustment and dispose in accordance with federal and state regulations.

Handling and Storing: Keep container closed when not in use. Do not freeze. Follow label instructions.

Other Precautions: Keep this and all chemicals out of the reach of children.

## SECTION VIII-CONTROL MEASURES

Respiratory Protection (Specify Type): For exposure above established limits (see section II) use NIOSH/MSMA approved dust/mist mask.

Ventilation Recommended: None

Protective Gloves: Rubber or neoprene.

Eye Protection: Safety glasses.

Other Protective Clothing or Equipment: NA

## SECTION IX-ADDITIONAL INFORMATION

ENVIRONMENTAL BIODEGRADABILITY: BIODEGRADABLE.

SARA TITLE III REPORTING REQUIREMENTS

SECTION 302, 304

311, 312

313

REPORTING NOT REQUIRED

REPORTING REQUIRED FOR INVENTORY ABOVE TPQ.

REPORTING MAY BE REQUIRED FOR USERS IN MANUFACTURING SECTOR.

CERCLA

SAME AS SECTION 304