

# MATERIAL SAFETY DATA SHEET

## SECTION I - MATERIAL NAME / IDENTIFIER

**CANADIAN VINYL SHOCK**                      **WHMIS:** D28,C,

**MANUFACTURER'S NAME:**                      **CAPO INDUSTRIES LTD**  
**STREET ADDRESS:**                              **1200 CORPORATE DRIVE**  
**CITY:**    **BURLINGTON, ONTARIO**  
**POSTAL CODE:**                                  **L7L 5R6**

**EMERGENCY TELEPHONE:**                      **CANUTEC (613) 996-6666 (COLLECT)**

**CHEMICAL NAME:**                              Not Applicable  
**CHEMICAL FAMILY:**                            Not Applicable  
**CHEMICAL FORMULA:**                        Not applicable  
**TRADE NAME & SYNONYMS:**                Proprietary Blend  
**MOLECULAR WEIGHT:**                        Not applicable  
**MATERIAL USE:**                                Pool Water Shock

## SECTION II - HAZARDOUS INGREDIENTS

Hazardous Ingredients	Approx Conc %	C.A.S. N.A. U.N. Number	LD 50 Specify Species & Route (Oral, RAT)	LC 50 Specify Species & Route (Inhal, RAT)
Sodium Dichloro-S-Triazinetrione	30-60	2893-78-9	670 mg/kg	Not available
Sodium Tetraborate Pentahydrate	10-30	2179-04-3	2660mg/kg	Not available

## SECTION III PHYSICAL DATA FOR MATERIAL

**PHYSICAL STATE:**                              GAS                      LIQUID                      SOLID                      X  
**ODOUR & APPEARANCE:**                      White, opaque, granular, chlorine odour  
**ODOUR THRESHOLD (PPM):**                      Not applicable  
**SPECIFIC GRAVITY:**                              2.03  
**VAPOUR PRESSURE (MM):**                      Not applicable  
**VAPOUR DENSITY (AIR-1):**                      Not applicable  
**EVAPORATION RATE:**                            Not applicable  
**BOILING POINT (C):**                              238 – 249 decomposes  
**FREEZING POINT (C):**                            Not applicable  
**SOLUBILITY IN WATER (20C):**                30g in 100g H2O @ 25 deg C  
**% VOLATILE (BY WEIGHT)**                      Not applicable  
**PH:**    8.5 (1% solution)  
**COEFFICIENT OF WATER/OIL DISTRIBUTION:**      Not available

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## SECTION IV - FIRE & EXPLOSION HAZARD OF MATERIAL

**FLAMMABILITY:** YES NO X

**IF YES, UNDER WHICH CONDITIONS?:** Not flammable, but if heated by other sources to 238 – 249 deg C, it will undergo decomposition with evolution of heat and dense, noxious fumes.

**MEANS OF EXTINCTION:** Water

**SPECIAL PROCEDURES:** Wear full protective clothing and breathing apparatus when fire fighting

**FLASHPOINT (CELSIUS) AND METHOD:** Not applicable

**AUTOIGNITION TEMPERATURE (CELSIUS):** Not applicable

**LOWER EXPLOSION LIMIT (% BY VOLUME):** Not applicable

**UPPER EXPLOSION LIMIT (% BY VOLUME):** Not applicable

**HAZARDOUS COMBUSTION PRODUCTS:** Chlorine gas and traces of phosgene.

## EXPLOSION DATA

**SENSITIVITY TO MECHANICAL IMPACT:** None **SENSITIVITY TO STATIC DISCHARGE:** None

## SECTION V REACTIVITY DATA

**CHEMICAL STABILITY:** YES NO X

**IF NO, UNDER WHICH CONDITIONS?:** Avoid contact with incompatible material and damp conditions.

**INCOMPATIBILITY TO OTHER SUBSTANCES:** YES X NO

**IF SO, WHICH ONES:** Easily oxidizable organic materials, ammonia, urea or similar nitrogen containing compounds, inorganic reducing compounds, calcium hypochlorite, alkalis and acids.

**REACTIVITY AND UNDER WHAT CONDITIONS:** Not applicable

**HAZARDOUS DECOMPOSITION PRODUCTS:** At temperatures of 204 deg C and greater, chlorine gas and traces of phosgene will be liberated.

## SECTION VI TOXICOLOGICAL PROPERTIES OF MATERIAL

### ROUTE OF ENTRY:

: SKIN CONTACT	X	: SKIN ABSORPTION	: EYE CONTACT	X
: INHALATION ACUTE	X	: INHALATION CHRONIC	: INGESTION	X

### EFFECTS OF ACUTE EXPOSURE TO MATERIAL

**SKIN:** Corrosive when skin is wet

**EYE:** Corrosive

**INHALATION:** Fumes may produce eye, nose, throat and respiratory tract irritation.

**INGESTION:** This product may be harmful if swallowed. Corrosive to mucous membranes.

**EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:** None known

**OTHER HEALTH EFFECTS:** None known

**LD 50 OF MATERIAL (Specify Species and Routes):** See Section II

**LC 50 OF MATERIAL (Specify Species and Routes):** See Section II

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**EXPOSURE (LIMITS):** None established  
**IRRITANCY OF MATERIAL:** Strong irritant of skin, eye, nose and throat.  
**SENSITIZATION OF MATERIAL:** None known.  
**SYNERGISTIC MATERIALS:** None known  
**CARCINOGENICITY, MUTAGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY:** None known

## SECTION VII PREVENTATIVE MEASURE

### PERSONAL PROTECTIVE EQUIPMENT

**GLOVES (Specify):** Rubber gloves if skin contact is likely.  
**EYE (Specify):** Safety glasses if eye contact is likely.  
**RESPIRATORY (Specify):** Use NIOSH/NSHA approved dust or vapour mask if inhalation is likely  
**OTHER (Specify):** Protective clothing if contact is likely.  
**ENGINEERING CONTROLS (e.g. Ventilation, Enclosed Process – Specify):** Use in a well ventilated area.  
**LEAK AND SPILL PROCEDURE:** If material is spilled, clean up as soon as possible to prevent contamination with a material with which it may react. Keep spilled material dry. Sweep up and place material in a dry, clean container.  
**WASTE DISPOSAL:** If material is dry, disposal by incineration is recommended. Alternate method for disposal is by neutralizing to a nonoxidizing residue. Keep unneutralized material out of sewers, watersheds and water systems.  
**HANDLING PROCEDURES AND EQUIPMENT:** Avoid skin, eye and clothing contact. Use in well ventilated area. Wash thoroughly with soap and water after handling.  
**STORAGE REQUIREMENTS:** Store in cool, dry area. Do not allow water to get into containers. Keep containers tightly closed when not in use.  
**SPECIAL SHIPPING INFORMATION:** **Transportation:** Limited quantity  
**Class:**  
**Pkg. Group:**  
**P.I.N./UN:**

## SECTION VIII FIRST AID MEASURES

**SKIN:** Wash thoroughly with soap and water. Should irritation persist, contact a physician.  
**EYE:** Flush eyes with plenty of water for 15 minutes. Seek medical attention.  
**INHALATION:** Remove person to fresh air. Call a physician.  
**INGESTION:** Drink 2 or 3 glasses of water or milk. Do not induce vomiting. Contact a physician.  
**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

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## SECTION IX

## PREPARATION DATE OF M.S.D.S.

PREPARED BY (Group, Department, etc.): PLANT CHEMIST

TELEPHONE: (905) 332-6626

PREPARATION DATE: February 22, 2005

DATE OF LATEST REVISION/REVIEW: September 2, 2008

ADDITIONAL NOTES OR REFERENCES:

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