

# MATERIAL SAFETY DATA SHEET

## SECTION 1

## MATERIAL NAME / IDENTIFIER

**SPA SHOCK**

**WHMIS:** D2B

**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:** Mixture  
**Trade Name & Synonyms:** Not applicable  
**Molecular Weight:** Not applicable  
**Material Use:** Spa water treatment chemical

## SECTION 2

## HAZARDS IDENTIFICATION

**GHS classification:** H315 Skin corrosion/irritation, Category 2  
H319 Serious eye damage/eye irritation, Category 2A  
H335 Specific target organ toxicity, Single exposure, Respiratory tract irritation

### Label Elements

#### Symbol(s)



#### Signal Word

Warning

#### Hazard statements

Causes skin and serious eye irritation.

#### Precautionary statements

Avoid skin and eye contact. Wear gloves and safety glasses when handling. Wash hands thoroughly after use. If contact with eyes, flush with copious amounts of water for 15 minutes. Avoid breathing in dusts/fumes/vapours. If inhaled, remove person to fresh air and seek medical attention.

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## SECTION 3 COMPOSITION, INFORMATION ON INGREDIENTS

Ingredient	CAS#	% Concentration
Pentapotassium Bis(Peroxymonosulphate)		
Bis(Sulphate)	70693-62-8	60 – 100
Dipotassium Peroxodisulphate	7727-21-1	0 – 5
Sodium Carbonate	497-19-8	10 – 30

## SECTION 4 FIRST AID MEASURES

<b>Inhalation:</b>	Remove person to fresh air. If difficulty breathing, give artificial respiration and seek medical attention.
<b>Skin Contact:</b>	Wash thoroughly with soap and water.
<b>Eye Contact:</b>	Flush eyes with copious amounts of water and seek medical attention.
<b>Ingestion:</b>	Drink 2 or 3 glasses of water or milk to dilute material. Do not induce vomiting. Contact a physician.
<b>Note to physicians</b>	None

## SECTION 5 FIRE – FIGHTING MEASURES

<b>Hazardous Combustion Products:</b>	At elevated temperatures of 100°C may liberate oxides of sulphur and carbon.
<b>Unusual Fire or Explosion Hazards:</b>	None known
<b>Sensitivity to Mechanical Impact:</b>	None
<b>Rate of Burning:</b>	Not applicable
<b>Explosive Power:</b>	Not applicable
<b>Sensitivity to Static Discharge:</b>	None
<b>Fire Extinguishing Media:</b>	Use media suitable for extinguishing surrounding fire.
<b>Instructions to the Fire Fighters:</b>	See below
<b>Fire Fighting Protective Equipment:</b>	Wear full protective clothing and a self-contained breathing apparatus.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

<b>Leak And Spill Procedure:</b>	Prevent material from entering drains, sewers, and waterways. Sweep up and place metal waste containers for disposal.
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## SECTION 7

## HANDLING AND STORAGE

### HANDLING

**Handling Practices:** Avoid contact with skin and eyes. Avoid breathing in dust. Wear gloves and safety glasses when handling. Wash hands thoroughly after use.

**Ventilation Requirements:** Use in a well ventilated area.

### STORAGE

**Ventilation Requirements:** Store in a cool, dry area.

**Storage Requirements:** Do not mix directly with other chemicals. Keep containers tightly closed when not in use.

## SECTION 8

## EXPOSURE CONTROLS/PERSONAL PROTECTION

### ENGINEERING CONTROLS

**Engineering Controls:** General exhaust ventilation to keep airborne contaminants below exposure limits.

### PERSONAL PROTECTIVE EQUIPMENT

**Skin (Specify):** Latex or rubber gloves if skin contact is likely.

**Eye (Specify):** Safety glasses/goggles if eye contact is likely.

**Respiratory (Specify):** Wear air-purifying respirator with dust/mist cartridge if in a non-ventilated area.

**Other (Specify):** Impervious clothing if contact is likely. Eye wash and shower stations are close to work area.

## SECTION 9

## PHYSICAL DATA FOR MATERIAL

**Physical State:** Gas                      Liquid                      Solid                      X

**Odour & Appearance:** Opaque, white granular, odourless

**Odour Threshold (ppm):** Not applicable

**Flammability:** Yes                      No                      X

**If Yes, Under Which Conditions?:**

**Auto Ignition Temperature (Celsius):** Not applicable

**Upper Explosion Limit (% By Volume):** Not applicable

**Lower Explosion Limit (% By Volume):** Not applicable

**Decomposition Temp (°C)** Not available

**Specific Gravity:** Not available

**Viscosity:** Not applicable

**Vapour Pressure (mm):** Not applicable

**Vapour Density (Air-1):** Not applicable

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Flashpoint (°C)	Not applicable
Evaporation Rate	Not applicable
Boiling Point (°C):	Not available
Freezing Point (°C):	Not available
Solubility In Water (20°C):	Soluble
% Volatile (By Weight)	Not applicable
PH:	6.5 – 7.5 (1% solution)
Coefficient Of Water/Oil Distribution:	Not available

## SECTION 10 STABILITY AND REACTIVITY

Chemical Stability:	Yes	<input checked="" type="checkbox"/>	No
If No, Under Which Conditions?:			
Incompatibility To Other Substances:	Yes	<input checked="" type="checkbox"/>	No
If So, Which Ones:	Heavy metal salts, halogenated compounds, cyanides, aluminum, and sulfamic acid.		
Conditions to Avoid:	Avoid extreme heat.		
Hazardous Decomposition Products:	Oxides of sulphur and carbon.		

## SECTION 11 TOXICOLOGICAL INFORMATION

### ACUTE HEALTH EFFECTS

Inhalation:	Dust may cause irritation to respiratory tract.
Skin Contact:	Prolonged skin contact will cause irritation.
Eye Contact:	Eye contact will cause irritation or burns.
Ingestion:	Severe gastrointestinal irritation, nausea, vomiting and diarrhea.

**CHRONIC HEALTH EFFECTS:** None known

**Other Health Effects:** None known

**LD 50 of Material (Specify Species and Routes):** Pentopotassium Bis(Peroxymonosulphate)Bis(Sulphate) 500 mg/kg, Oral (Rat), >2000 mg/kg, Dermal (Rabbit)  
Dipotassium Peroxodisulphate 802 mg/kg, Oral (Rat), >10000 mg/kg, Dermal (Rabbit)  
Sodium Carbonate 4090 mg/kg, Oral (Rat), 2210 mg/kg, Dermal (Mouse).

**LC 50 of Material (Specify Species and Routes):** Pentopotassium Bis(Peroxymonosulphate)Bis(Sulphate) >5 mg/l, Inhalation 4 h (Rat)

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**Exposure (Limits):** Pentopotassium Bis(Peroxymonosulphate)Bis(Sulphate), AEL\* (Dupont): 1mg/m<sup>3</sup>, 15 minute TWA, Dipotassium Peroxodisulphate, TLV (ACGIH): 0.1 mg/m<sup>3</sup>, TWA as persulphate.

**Irritancy of Material** Eye, skin and respiratory tract irritant.

**Sensitization of Material** None known

**Synergistic Materials** None known

**Carcinogenicity, Mutagenicity, Reproductive Effects, Teratogenicity:** None known

## SECTION 12 ECOLOGICAL INFORMATION

### Ecotoxicity

Pentopotassium Bis(Peroxymonosulphate)Bis(Sulphate) – 96 h LC<sub>50</sub> Cyprinodon Variegatus (sheepshead minnow):

1.09 mg/l

- 72 h ERC<sub>50</sub> Algae: 1mg/l

- 48 h EC<sub>50</sub> Daphnia: 3.5 mg/l

Dipotassium Peroxodisulphate – 48 h LC<sub>50</sub> Daphnia Magna (water flea): 92 mg/l

### Environmental Fate

**Biodegradability:** Readily biodegradable

**Bioaccumulative Potential:** Not available

**Mobility In Soil:** Not available

## SECTION 13 DISPOSAL CONSIDERATIONS

**Waste Disposal:** Dispose of material in accordance with federal, provincial and local regulations.

**Safe Handling of Residues:** Flush residues with lots of water.

**Disposal of Packaging:** Dispose of containers in accordance with federal, provincial and local regulations.

## SECTION 14 TRANSPORTATION INFORMATION

### CANADIAN TDG ACT SHIPPING DESCRIPTION:

**Proper shipping name:** Not regulated

**Class:** Not applicable

**Packing group:** Not applicable

**UN:** Not applicable

### US DOT CLASSIFICATION (49CFR 172.101, 172.102)

**Proper shipping name:** Not regulated

**Class:** Not applicable

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**Packing group:** Not applicable

**UN:** Not applicable

## SECTION 15 REGULATORY INFORMATION

### CANADA

**WHMIS:** D2B

**CPR Compliance** This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR

**USA** Not available

**INTERNATIONAL** Not available

## SECTION 16 OTHER INFORMATION

**Prepared By (Group, Department, Etc.):** Quality Control **Telephone:** (905) 332-6626

**Preparation Date:** January 1, 1996

**Date Revised:** May 28, 2016

**Additional Notes Or References:**

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