

# SAFETY DATA SHEET

## SECTION 1

## MATERIAL NAME / IDENTIFIER

PH Down

WHMIS: E

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: Sodium Bisulphate  
Chemical Family: Sodium Salt  
Chemical Formula: Na HSO<sub>4</sub>  
Trade Name & Synonyms: Not applicable  
Molecular Weight: Not applicable  
Material Use: Pool water pH reducer

## SECTION 2

## HAZARDS IDENTIFICATION

GHS classification: Serious eye damage/eye irritation, Category 1

Symbol(s)



Signal Word

Danger

Hazard statements

H318 Causes serious eye damage.

Precautionary statements

P280 Wear protective gloves/eye protection/face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER or doctor.

PH Down

# SAFETY DATA SHEET

## SECTION 3 COMPOSITION, INFORMATION ON INGREDIENTS

Ingredient	CAS#	% Concentration
Sodium Bisulphate	7681-38-1	60 – 100

## SECTION 4 FIRST AID MEASURES

- Inhalation:** Remove person to fresh air. If irritation persists, contact a physician.
- Skin Contact:** Wash thoroughly with soap and water. If irritation persists, contact a physician.
- Eye Contact:** Flush eyes with plenty of water for 15 minutes. Seek prompt medical attention.
- Ingestion:** Drink 2 or 3 glasses of water followed by milk of magnesia, beaten eggs or vegetable oil. Contact a physician immediately. Do not induce vomiting. If spontaneous vomiting occurs, keep head below victims knees to prevent breathing in of vomitus.

**Note to physicians** None

## SECTION 5 FIRE – FIGHTING MEASURES

- Hazardous Combustion Products:** SO<sub>2</sub> and SO<sub>3</sub> at temperatures above 299°C
- Unusual Fire or Explosion Hazards:** None
- Sensitivity to Mechanical Impact:** None
- Rate of Burning:** Not applicable
- Explosive Power:** Not applicable
- Sensitivity to Static Discharge:** None
- Fire Extinguishing Media:** Use appropriate media suitable to extinguish source of fire.
- Instructions to the Fire Fighters:** Wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
- Fire Fighting Protective Equipment:** See above.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

- Leak And Spill Procedure:** Stop leak if without risk. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Sweep up material and neutralize with an alkaline solution. Place in a designated labeled waste container.

# SAFETY DATA SHEET

## SECTION 7

## HANDLING AND STORAGE

### HANDLING

**Handling Practices:** Put on appropriate protective equipment. Avoid breathing dusts. Wash thoroughly after handling.

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

### STORAGE

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

**Storage Requirements:** Keep container tightly closed. Material is hygroscopic and will readily absorb moisture. Do not store dry product where exposed to moist conditions.

## SECTION 8

## EXPOSURE CONTROLS/PERSONAL PROTECTION

### ENGINEERING CONTROLS

**Engineering Controls:** Use in a well ventilated area.

### 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 appropriate dust mask if prolonged use in non-ventilated area is unavoidable.

**Other (Specify):** Impervious clothing if contact is likely. Eye wash stations close to chemical use.

## SECTION 9

## PHYSICAL DATA FOR MATERIAL

**Physical State:** Gas                      Liquid                      Solid                      X

**Odour & Appearance:** Opaque white beads, acidic odour

**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 applicable

**Specific Gravity:** 1.28

**Viscosity:** Not applicable

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

**PH Down**

# SAFETY DATA SHEET

Vapour Density (Air-1):	Not applicable
Flashpoint (°C)	Not applicable
Evaporation Rate	Not applicable
Boiling Point (°C):	Not applicable
Freezing Point (°C):	176.7°C
Solubility In Water (20°C):	Soluble
% Volatile (By Weight)	Not applicable
PH:	1.4 (1% solution)
Coefficient Of Water/Oil Distribution:	Not applicable

## 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:	Strong alkaline, acids, water, sodium hypochlorite solution and oxidizers		
Conditions to Avoid:	Do not mix dry or concentrated solutions of this product with concentrated solutions of chlorine bleach, ammonia cleansers or similar products.		
Hazardous Decomposition Products:	If heated above 299°C; SO <sub>2</sub> and SO <sub>3</sub> will form.		

## SECTION 11 TOXICOLOGICAL INFORMATION

### ACUTE HEALTH EFFECTS

Inhalation:	Dust may cause burns to mucous membranes and respiratory tract.
Skin Contact:	Mild irritant
Eye Contact:	Causes serious eye irritation and may cause burns.
Ingestion:	If swallowed, may cause burns in the mouth, esophagus and stomach.

**CHRONIC HEALTH EFFECTS:** Repeated exposure without proper hygiene may cause skin rashes.

**Other Health Effects:** None

**LD 50 of Material (Specify Species and Routes)** Oral, Rat 2800 mg/kg

**LC 50 of Material (Specify Species and Routes)** Not available

**Exposure (Limits):** Not established

**Irritancy of Material** Skin, eye, nose and throat irritant

---

**PH Down**

# SAFETY DATA SHEET

**Sensitization of Material** None known

**Synergistic Materials** None known

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

## SECTION 12 ECOLOGICAL INFORMATION

**Ecotoxicity** This product readily dissolves in water to form a weak acid solution. A 0.05% or greater (by weight) solution of this product will likely be acutely harmful to aquatic life.

### Environmental Fate

**Biodegradability:** Not available

**Biaccumulative Potential:** Not available

**Mobility In Soil:** Not available

## SECTION 13 DISPOSAL CONSIDERATIONS

**Waste Disposal:** After neutralizing with an alkaline solution, dispose in accordance with Federal, Provincial local regulations.

**Safe Handling of Residues:** Flush with plenty of water.

**Disposal of Packaging:** Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.

## SECTION 14 TRANSPORTATION INFORMATION

**CANADIAN TDG ACT SHIPPING DESCRIPTION:** Not regulated

**US DOT CLASSIFICATION (49CFR 172.101, 172.102):** Not regulated

## SECTION 15 REGULATORY INFORMATION

### CANADA

**WHMIS:** E

**NPRI:** None of the components are listed.

**CEPA:** None of the components are listed.

**Canada Inventory:** All components are listed or exempted.

### USA

**U.S. Inventory (TSCA 8b):** All components are listed or exempted.

**SARA 302/304 emergency planning and notification:** No products were found.

---

**PH Down**

