

MATERIAL 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 HSO₄
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.

MATERIAL 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:** SO₂ and SO₃ 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.

MATERIAL 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

Vapour Density (Air-1): Not applicable

MATERIAL SAFETY DATA SHEET

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 No
If No, Under Which Conditions?:
Incompatibility To Other Substances: Yes 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; SO₂ and SO₃ 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

Sensitization of Material None known

Synergistic Materials None known

Carcinogenicity, Mutagenicity, Reproductive Effects, Teratogenicity: None known

MATERIAL SAFETY DATA SHEET

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.

SARA 311/312 MSDS distribution – chemical inventory – hazard identification: Sodium bisulphate: Acute health hazard

State Regulations: None of the products are listed.

California Prop. 65: No products were found.

