

MATERIAL SAFETY DATA SHEET

SECTION 1

MATERIAL NAME / IDENTIFIER

Filter Free

WHMIS: E

Manufacturer's Name:

**CAPO INDUSTRIES LTD
1200 CORPORATE DRIVE
BURLINGTON, ONTARIO
L7L 5R6**

Street Address:

City:

Postal Code:

Emergency Telephone:

Canutec (613) 996-6666 (Collect)

Chemical Name: Not applicable

Chemical Family: Not applicable

Chemical Formula: Not applicable

Trade Name & Synonyms: Not applicable

Molecular Weight: Not applicable

Material Use: Filter Cleaner

SECTION 2

HAZARDS IDENTIFICATION

GHS classification:

H303 Acute toxicity, oral, Category 5

H314 Skin corrosion/irritation, Category 1B

H318 Serious eye damage/eye irritation, Category 1

H335 Specific organ toxicity, single exposure, respiratory tract irritation, Category 3

H402 Hazardous to aquatic environment, acute hazard, Category 3

Symbol(s)



Signal Word

Danger

Hazard statements

May be harmful if swallowed. Causes severe skin burns and eye damage. May cause respiratory irritation. Harmful to aquatic life.

Precautionary statements

Do not ingest. If ingested, do not induce vomiting. Drink 2 or 3 glasses of water to dilute material and seek medical attention. Avoid contact with skin and eyes. Wear safety glasses and gloves when handling. Wash hands thoroughly after use. Use in a well ventilated area. 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

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medical attention. Avoid release to the environment.

SECTION 3 COMPOSITION, INFORMATION ON INGREDIENTS

Ingredient	CAS#	% Concentration
Sodium Bisulphate	7681-38-1	40 – 70
Sulphamic Acid	5329-14-6	30 - 60

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 20 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 victim's 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. Sweep up material and neutralize with an alkaline solution. Place in a designated labeled waster container.

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SECTION 7

HANDLING AND STORAGE

HANDLING

Handling Practices: Put on appropriate protective equipment. Avoid skin and eye contact. 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: Local exhaust ventilation

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 and shower stations close to chemical use.

SECTION 9

PHYSICAL DATA FOR MATERIAL

Physical State: Gas Liquid Solid X

Odour & Appearance: Purple 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: Not available

Viscosity: Not applicable

Vapour Pressure (mm): Not applicable

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Vapour Density (Air-1):	Not applicable
Flashpoint (°C)	Not applicable
Evaporation Rate	Not applicable
Boiling Point (°C):	Not applicable
Freezing Point (°C):	Not applicable
Solubility In Water (20°C):	Soluble
% Volatile (By Weight)	Not applicable
PH:	1.7 (1% solution)
Coefficient Of Water/Oil Distribution:	Not applicable

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability:	Yes	No	<u>X</u>
If No, Under Which Conditions?:	Product is unstable in the presence of moisture. It reacts with water to form an acidic solution.		
Incompatibility To Other Substances:	Yes	<u>X</u>	No
If So, Which Ones:	Strong alkaline, water, sodium hypochlorite solution and oxidizers		
Conditions to Avoid:	Contact with strong alkaline materials such as caustic soda.		
Hazardous Decomposition Products:	If heated above 299°C; SO ₂ and SO ₃ will form.		

SECTION 11 TOXICOLOGICAL INFORMATION

ACUTE HEALTH EFFECTS

Inhalation:	Dust may cause burns to mucous membranes and respiratory tract.
Skin Contact:	Skin irritant. May cause burns.
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): Sodium Bisulphate: Oral, Rat 2800 mg/kg
Sulphamic Acid: Oral, Rat 3160 mg/kg

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

Exposure (Limits): Not established

Irritancy of Material Skin, eye, respiratory tract irritant.

Sensitization of Material None known

Synergistic Materials None known

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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 applicable

Biaccumulative Potential: Not applicable

Mobility In Soil: Not applicable

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:

Proper shipping name: Corrosive Solid N.O.S., Sulphamic Acid

Class: 8

Packing group: III

UN: 1759

Consumer Commodity under 5 kg

US DOT CLASSIFICATION (49CFR 172.101, 172.102):

Proper shipping name: Corrosive Solid N.O.S., Sulphamic Acid

Class: 8

Packing group: III

UN: 1759

SECTION 15 REGULATORY INFORMATION

CANADA

WHMIS: E

USA Not available

INTERNATIONAL Not available

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SECTION 16

OTHER INFORMATION

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

Preparation Date: January 1, 1996

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Additional Notes Or References:

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