

MATERIAL SAFETY DATA SHEET

SECTION I MATERIAL NAME / IDENTIFIER

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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: Not applicable
Chemical Family: Not applicable
Chemical Formula: Not applicable
Trade Name & Synonyms: Not applicable
Molecular Weight: Not applicable
Material Use: Filter Cleaner

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)
Sulfamic Acid	30-60	5329-14-6	3160 mg/kg	Not available
Sodium Bisulphate	40-70	7681-38-1	2800 mg/kg	Not available

SECTION III PHYSICAL DATA FOR MATERIAL

Physical State: Gas Liquid Solid X

Odour & Appearance: Opaque, purple granular, mild odour

Odour Threshold (Ppm): Not available

Specific Gravity: Not available

Vapour Pressure (Mm): Not available

Vapour Density (Air-1): Not applicable

Evaporation Rate: Not available

Boiling Point (C): Not available

Freezing Point (C): Not available

Solubility In Water (20c): Soluble

% Volatile (By Weight): Not applicable

Ph: 1.7 (1% solution)

Coefficient Of Water/Oil Distribution: Not available

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SECTION IV - FIRE & EXPLOSION HAZARD OF MATERIAL

Flammability: Yes X No
If Yes, Under Which Conditions?: Not applicable
Means of Extinction: Water, CO2, Foam
Special Procedures: Wear self contained 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:

EXPLOSION DATA

Sensitivity To Mechanical Impact: None **Sensitivity To Static Discharge:** None

SECTION V REACTIVITY DATA

Chemical Stability: Yes X No
If No, Under Which Conditions?: Not applicable
Incompatibility To Other Substances: Yes X No
If So, Which Ones: Cyanides, carbides, sulphates, strong alkalines, sodium hypochlorite
And oxidizers
Reactivity And Under What Conditions: Not applicable
Hazardous Decomposition Products: Oxides of Sulphur

SECTION VI TOXICOLOGICAL PROPERTIES OF MATERIAL

Route Of Entry:

: Skin Contact	<u>X</u>	:Skin Absorption	: Eye Contact	<u>X</u>
: Inhalation Acute		:Inhalation Chronic	: Ingestion	<u>X</u>

EFFECTS OF ACUTE EXPOSURE TO MATERIAL

Skin: Skin irritant. May cause burns
Eye: Eye irritant. May cause burns
Inhalation: Irritant. May cause burning to mucous membranes and upper respiratory tract.
Ingestion: Gastritis and possible burning and perforation of stomach and esophagus, vomiting and nausea.
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
Exposure (Limits): Not available
Irritancy Of Material: Skin, eye nose and throat irritant

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Sensitization Of Material: None known
Synergistic Materials: None known
Carcinogenicity, Mutagenicity, Reproductive Effects, Teratogenicity: None known

SECTION VII PREVENTATIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT

Gloves (Specify): Rubber/PVC gloves if skin contact is likely
Eye (Specify): Safety glasses/goggles if eye contact is likely
Respiratory (Specify): Wear dust filter mask if prolonged use in non-ventilated area is unavoidable.
Other (Specify): Wear face shield and protective clothing if contact is likely.
Engineering Controls (e.g. Ventilation, Enclosed Process – Specify):
Leak And Spill Procedure: Shovel into dry, clean container. Dilute with water and neutralize with soda ash
Waste Disposal: Dispose material in accordance with Federal, Provincial and local government regulations

Handling Procedures And Equipment: Avoid eye and/or skin contact
Storage Requirements: Store in cool, dry area. Keep container tightly closed
Special Shipping Information: **Transportation:** Corrosive Solid N.O.S.
Sulphamic Acid – consumer commodity under 5kg
Class: 8
Pkg. Group: 111
P.I.N./Un: 1759

SECTION VIII FIRST AID MEASURES

Skin: Wash thoroughly with soap and water. If irritation persists, flush skin with cold water for 20 minutes
Eye: Flush eyes with plenty of water for 20 minutes. Seek immediate medical attention
Inhalation: Remove person to fresh air. Should irritation persist, seek medical attention.
Ingestion: Drink large amounts of water or milk of magnesia, beaten eggs or vegetable oil .Contact a Physician immediately. Do not induce vomiting

SECTION IX PREPARATION DATE OF M.S.D.S.

Prepared By (Group, Department, Etc.): Plant Chemist **Telephone:** (905) 332-6626
Preparation Date: January 1, 1996
Date Of Latest Revision/Review: March 30, 2014

Additional Notes Or References:

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