

MATERIAL SAFETY DATA SHEET

SECTION I MATERIAL NAME / IDENTIFIER

SODIUM SULPHITE/ X-IT

WHMIS:

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 Sulphite
Chemical Family: Sulphites
Chemical Formula: Na_2SO_3
Trade Name & Synonyms: Sodium Sulphite
Molecular Weight: 126-04
Material Use: Water Treatment

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)
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Sodium Sulphite	90-100%	7757-83-7	820mg/kg	Not available
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SECTION III PHYSICAL DATA FOR MATERIAL

Physical State: Gas Liquid Solid X

Odour & Appearance: White to yellow powder

Odour Threshold (Ppm): Not available

Specific Gravity: 2.63

Vapour Pressure (Mm): Not applicable

Vapour Density (Air-1): Not applicable

Evaporation Rate: Not applicable

Boiling Point (C): Not applicable

Freezing Point (C): Decomposes to 900 deg C

Solubility In Water (20c): 17.0

% Volatile (By Weight): Not applicable

Ph: 9.8

Coefficient Of Water/Oil Distribution: Not available

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SECTION IV - FIRE & EXPLOSION HAZARD OF MATERIAL

Flammability: Yes No X
If Yes, Under Which Conditions?: Not applicable
Means Of Extinction: Use media suitable to extinguish source of fire.
Special Procedures: Wear self contained breathing apparatus and full protective equipment
When firefighting
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: Toxic gas in vapours (SO₂) will be released in a fire situation

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: Acids
Reactivity And Under What Conditions: Contact with acid produces SO₂
Hazardous Decomposition Products: Toxic gas or vapour(SO₂) will be emitted by decomposition

SECTION VI TOXICOLOGICAL PROPERTIES OF MATERIAL

Route Of Entry:

: Skin Contact X :Skin Absorption X : Eye Contact X
: Inhalation Acute X :Inhalation Chronic : Ingestion X

EFFECTS OF ACUTE EXPOSURE TO MATERIAL

Skin: Irritant. Pain and brownish yellow stains, burns

Eye: Irritant. Pain, tearing, May cause burns

Inhalation: Irritation of respiratory tract.

Ingestion: Irritation of gastrointestinal tract. May cause violent reaction in some asthmatics and sulphite sensitive individuals

Effects Of Chronic Exposure To Material: Not available

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): Sulphur dioxide- TWAEV 2ppm,5.2mg/m₃ - STEV 5 ppm, 10.4mg/m₃

Irritancy Of Material: Severe skin, eye, nose and throat irritant

Sensitization Of Material: None known

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Synergistic Materials: None known

Carcinogenicity, Mutagenicity, Reproductive Effects, Teratogenicity: Carcinogen – no, Reproductive Effects –
Teratogenicity – none known
Mutagenicity – none known

SECTION VII PREVENTATIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT

Gloves (Specify): Impermeable gloves if skin contact is likely

Eye (Specify): Chemical goggles/glasses if eye contact is likely

Respiratory (Specify): Air purifying respirator as required for dusts

Other (Specify): Impermeable clothing as required

Engineering Controls (e.g. Ventilation, Enclosed Process – Specify): Local exhaust ventilation required if there
Is dusty or misty conditions or there is a
Release of sulphur dioxide

Leak And Spill Procedure: Stop and contain leak or spill. Collect (shovel, sweep) for reclaim or disposal

Waste Disposal: Dispose absorbed material in accordance with Federal, Provincial and local
government regulations

Handling Procedures And Equipment: Use normal "good" industrial hygiene and housekeeping practice

Storage Requirements: Store in airtight containers away from moisture and avoid physical damage. If left
Sitting in air, material will oxidize into a sulphate. Do not expose closed containers
To temperatures above 40 deg C

Special Shipping Information: **Transportation:** Not regulated
Class:
Pkg. Group:
P.I.N./Un:

SECTION VIII FIRST AID MEASURES

Skin: Remove contaminated clothing. Flush affected areas with running water for at least 15 minutes. Obtain
Medical attention if irritation develops

Eye: Flush eyes with running water for 15minutes holding eyelids open. Seek medical attention immediately

Inhalation: Remove person to fresh air. If not breathing, give artificial respiration. Obtain medical attention if
Symptoms persists

Ingestion: If conscious, dilute 2 glasses of water or milk. Induce vomiting. Obtain medical attention immediately.

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: September 2, 2008

Additional Notes Or References:

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