

MATERIAL SAFETY DATA SHEET

SECTION 1

MATERIAL NAME / IDENTIFIER

X-IT / Sodium Sulphite

WHMIS: Non Controlled

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:

Na₂SO₃

Trade Name & Synonyms:

Sodium Sulphite

Molecular Weight:

126.04

Material Use:

Water Treatment

SECTION 2

HAZARDS IDENTIFICATION

GHS classification:

H315 Skin corrosion/irritation, Category 2

H320 Serious eye damage/eye irritation, Category 2B

H335 Specific organ toxicity, Single exposure, Respiratory irritation, Category 3

Symbol(s)



Signal Word

Warning

Hazard statements

Causes skin and eye irritation. May cause respiratory irritation.

Precautionary statements

Wear gloves and safety glasses when handling. Wash hands thoroughly after use. Avoid breathing in dust/vapours. If inhaled, remove person to fresh air and seek medical attention. Use in a well ventilated area.

MATERIAL SAFETY DATA SHEET

SECTION 3 COMPOSITION, INFORMATION ON INGREDIENTS

Ingredient	CAS#	% Concentration
Sodium Sulphite	7757-83-7	100

SECTION 4 FIRST AID MEASURES

Inhalation:	Remove person to fresh air. Seek medical attention if breathing is difficult.
Skin Contact:	Remove contaminated clothing. Flush affected areas with running water for 15 minutes. Wash hands thoroughly with soap and water. Obtain medical attention if irritation develops.
Eye Contact:	Flush eyes with running water for 15 minutes. Seek medical attention immediately.
Ingestion:	Give 2 glasses of water or milk. Do not induce vomiting. Obtain medical attention immediately.
Note to physicians	Treatment based on sound judgement of physician and individual reactions of patient. Potential for anaphylactic shock with allergic individuals.

SECTION 5 FIRE – FIGHTING MEASURES

Hazardous Combustion Products:	Toxic gas in vapours (SO ₂) will be released in a fire situation.
Unusual Fire or Explosion Hazards:	Not applicable
Sensitivity to Mechanical Impact:	None
Rate of Burning:	Not applicable
Explosive Power:	Not applicable
Sensitivity to Static Discharge:	None
Fire Extinguishing Media:	Use media suitable to extinguish source of fire.
Instructions to the Fire Fighters:	Use water spray to cool fire-exposed containers and structures. Emits toxic fumes under fire
Fire Fighting Protective Equipment:	Fire fighters should wear full protective clothing and a self-contained breathing apparatus.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedure:	Prevent entry into sewers or streams, dike if needed. Ventilate area. Pick up solids and put in a clean labelled container.
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SECTION 7 HANDLING AND STORAGE

HANDLING

Handling Practices:	Avoid dust generation. Do not ingest. Do not breathe dust. Keep containers closed
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MATERIAL SAFETY DATA SHEET

Ventilation Requirements: when not in use.
Local exhaust ventilation.

STORAGE

Ventilation Requirements: Store in a cool, dry well ventilated area.
Storage Requirements: Place away from incompatible materials. Store in accordance with normal industrial hygiene and housekeeping practices.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS

Engineering Controls: Local exhaust ventilation to keep exposure to airborne contaminants below the exposure limit.

PERSONAL PROTECTIVE EQUIPMENT

Skin (Specify): Impermeable gloves if skin contact is likely.
Eye (Specify): Safety glasses/goggles if eye contact is likely.
Respiratory (Specify): Air purifying respirator as required for dusts.
Other (Specify): Impermeable clothing as required. Shower and eye wash stations close to work area.

SECTION 9 PHYSICAL DATA FOR MATERIAL

Physical State:	Gas	Liquid	Solid	<u>X</u>
Odour & Appearance:	White to yellow powder, odourless			
Odour Threshold (ppm):	Not available			
Flammability:	Yes	No	<u>X</u>	
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)	600°C/1112°C			
Specific Gravity:	2.633			
Viscosity:	Not applicable			
Vapour Pressure (mm):	Not available			
Vapour Density (Air-1):	Not available			
Flashpoint (°C)	Not applicable			

MATERIAL SAFETY DATA SHEET

Evaporation Rate	Not applicable
Boiling Point (°C):	Not applicable
Freezing Point (°C):	Decomposes at 600°C
Solubility In Water (20°C):	Soluble
% Volatile (By Weight)	Not applicable
PH:	8.5 – 10.5
Coefficient Of Water/Oil Distribution:	Not available

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability:	Yes	<u>X</u>	No
If No, Under Which Conditions?:			
Incompatibility To Other Substances:	Yes	<u>X</u>	No
If So, Which Ones:	Acids, oxidizing agents and nitrites.		
Conditions to Avoid:	High temperatures.		
Hazardous Decomposition Products:	Toxic gas or vapours (SO ₂) will be emitted by decomposition.		

SECTION 11 TOXICOLOGICAL INFORMATION

ACUTE HEALTH EFFECTS

Inhalation:	Irritation of the respiratory tract.
Skin Contact:	Irritant. Pain and brownish yellow stains. Burns.
Eye Contact:	Irritant. Pain, tearing. May cause burns.
Ingestion:	Irritation of the gastrointestinal tract. May cause violent reaction in some asthmatics and Sulphite sensitive individuals.

CHRONIC HEALTH EFFECTS: Not available

Other Health Effects: None known

LD 50 of Material (Specify Species and Routes): 820 mg/kg, Oral (Rat),

LC 50 of Material (Specify Species and Routes): >22 mg/l, Inhalation 1 h (Rat), >5.5 mg/l, Inhalation 4 h (Rat)

Exposure (Limits): Not available.

Irritancy of Material Severe, 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

LC50 96 h, Fish (*Leucisus idus*): 220-460 mg/l, static

Environmental Fate

Biodegradability: Not available

Bioaccumulative Potential: Not available

Mobility In Soil: Not available

SECTION 13 DISPOSAL CONSIDERATIONS

Waste Disposal: Dispose material in accordance with federal, provincial and local regulations.

Safe Handling of Residues: See above.

Disposal of Packaging: Empty containers should be recycled or disposed of through an approved waste management facility.

SECTION 14 TRANSPORTATION INFORMATION

CANADIAN TDG ACT SHIPPING DESCRIPTION:

Proper shipping name: Not regulated

Class: Not applicable

Packing group: Not applicable

UN: Not applicable

Marine Pollutant: No

US DOT CLASSIFICATION (49CFR 172.101, 172.102)

Proper shipping name: Not regulated

Class: Not applicable

Packing group: Not applicable

UN: Not applicable

Reportable quantity (lbs): Not available

Marine Pollutant: No

MATERIAL SAFETY DATA SHEET

SECTION 15 REGULATORY INFORMATION

CANADA All components of this product are either on the Domestic Substances List (DSL), the Non-Domestic Substances List (NDSL) or exempt.

WHMIS: Non-controlled

USA All components of this product are either on the Toxic Substances Control Act (TSCA) inventory list or exempt.

SARA (302, 311, 312, and 313): Not listed

California Prop 65: Not listed

Massachusetts, New Jersey and Pennsylvania Right to Know Lists: Not listed

INTERNATIONAL Not available

SECTION 16 OTHER INFORMATION

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

Preparation Date: January 1, 1996

Date Revised: May 25, 2015

Additional Notes Or References:

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