

# Safety Data Sheet

## Product Identifier

**Manufacturer's Name:** CAPO INDUSTRIES LTD.  
**Street Address:** 1200 Corporate Drive  
**City:** Burlington, Ontario, CANADA  
**Postal Code:** L7L 5R6

**Emergency Telephone:** Canutec (613) 996-6666 (Collect)(Transport)

### SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	Sodium Sulphite / X-IT
<b>Other Means of Identification</b>	Not applicable
<b>Recommended Use</b>	Chlorine Neutralizer
<b>Restrictions on Use</b>	Not available
<b>Initial Supplier Identifier</b>	Capo Industries Ltd.
<b>Emergency Telephone Number</b>	(905) 332-6626 (Non-Transport)

### SECTION 2. HAZARD IDENTIFICATION

<b>GHS Classification</b>	Hazardous to the Aquatic Environment, Short-Term (Acute), Category 3
<b>Label Elements</b>	No pictogram
<b>Signal Word</b>	No signal word
<b>Hazard Statement(s):</b>	H402 Harmful to aquatic life.
<b>Precautionary Statement(s):</b>	P273 Avoid release to the environment. P501 Dispose of contents/container in accordance with local regulations.
<b>Other Hazards</b>	No information available

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

---

Sodium Sulphite / X-IT

Chemical Name	CAS No.	Concentration	Common name / Synonyms
Sodium Sulphite	7757-83-7	75 – 100	Sodium Sulfite

## SECTION 4. FIRST-AID MEASURES

### Inhalation

Remove person to fresh air and keep comfortable for breathing. If breathing is difficult get medical help.

### Skin Contact

Remove contaminated clothing. Flush affected areas with running water for 15 minutes. Wash hands thoroughly with soap and water. Get medical help if irritation develops.

### Eye Contact

Flush eyes with running water for 15 minutes. Get medical help if irritation persists.

**Ingestion** Rinse mouth and then drink plenty of water.

### Most Important Symptoms and Effects, Acute and Delayed

Allergic symptoms. Risk of sulfur dioxide formation by reaction with gastric acid after swallowing.

### Immediate Medical Attention and Special Treatment

Treat according to symptoms (decontamination, vital functions), no known specific antidote.

## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

**Suitable Extinguishing Media** Copious amounts of water, dry powder, foam

**Unsuitable Extinguishing Media** Not available

**Specific Hazards Arising from the Product** Toxic gas in vapours (SO<sub>2</sub>) will be released in a fire situation.

### Special Protective Equipment and Precautions for Fire-Fighters

Fire fighters should wear full protective clothing and a self-contained breathing apparatus. Use water spray to cool fire-exposed containers and structures. Emits toxic fumes under fire.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

Avoid dust formation. Ensure adequate ventilation. Prevent entry into sewers or streams, dike if needed.

### Methods for Containment and Cleaning Up

Sweep and shovel up solids and put in a clean labeled container for disposal.

## SECTION 7. HANDLING AND STORAGE

---

Sodium Sulphite / X-IT

**Precautions for Safe Handling**

Avoid dust generation. Do not ingest. Do not breathe dust. Keep containers closed when not in use. Wear gloves and safety glasses when handling. Wash hands thoroughly after use.

**Conditions for Safe Storage**

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

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control Parameters**

**Exposure Limits** No occupational exposure limits known.

**Appropriate Engineering Controls**

Local exhaust ventilation. Ensure eye wash and shower stations are close to work area.

**Individual Protection Measures**

**Eye/Face Protection** Safety glasses or goggles if eye contact is likely.

**Skin Protection** Impermeable gloves if skin contact is likely.

**Respiratory Protection** Air purifying respirator as required for dusts.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance** White to yellow powder

**Odour** Odourless

**Odour Threshold** Not available

**pH** 8.5 – 10.5 (5% solution)

**Melting Point and Freezing Point** The product decomposes at 500°C

**Initial Boiling Point and Boiling Range** Not available

**Flash Point** Not available

**Evaporation Rate** The product is a non-volatile solid.

**Flammability (solid, gas)** Not highly flammable

**Upper and Lower Flammability or Explosive Limit** Not available

**Vapour Pressure** Not available

**Vapour Density (air = 1)** Not available

---

Sodium Sulphite / X-IT

<b>Relative Density (water = 1)</b>	2.63
<b>Bulk Density</b>	1400 – 1600 kg/m <sup>3</sup>
<b>Solubility in Water</b>	220 g/l
<b>Solubility in Other Liquids</b>	Not available
<b>Partition Coefficient, n-Octanol / Water (Log Kow) -4 (25°C)</b>	
<b>Auto-ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	500°C
<b>Viscosity</b>	Not applicable

## SECTION 10. STABILITY AND REACTIVITY

- Reactivity** Stable at normal temperatures and pressures.
- Chemical Stability** Stable under normal temperature conditions and recommended uses.
- Possibility of Hazardous Reactions** Reacts with oxidizing agents, acids, and nitrites.
- Conditions to Avoid** Avoid moisture and atmospheric oxygen.
- Incompatible Materials** Acids, oxidizing agents, nitrites, and nitrates.
- Hazardous Decomposition Products** Toxic gas or vapours (SO<sub>2</sub>) will be emitted by decomposition.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Likely Routes of Exposure

Inhalation  Skin contact  Eye contact  Ingestion

### Acute Toxicity

**LC<sub>50</sub> (Inhalation)** > 5.5 mg/l, Inhalation 4 hr (Rat)

**LD<sub>50</sub> (Oral)** Approx. 2610 mg/kg, Oral (Rat)

**LD<sub>50</sub> (Dermal)** > 2000 mg/kg, Dermal (Rat)

### Ingestion

May cause irritation of the gastrointestinal tract. May cause violent reaction in some asthmatics and sulphite

Sodium Sulphite / X-IT

sensitive individuals.

**Inhalation** May cause irritation of the respiratory tract.

**Skin Corrosion / Irritation** Not a skin irritant.

**Serious Eye Damage / Irritation** Not an eye irritant.

**STOT (Specific Target Organ Toxicity) - Single Exposure** No data available

**Aspiration Hazard** Not applicable

**STOT (Specific Target Organ Toxicity) - Repeated Exposure** No data available

**Respiratory and/or Skin Sensitization** None known

**Carcinogenicity** No data available

#### **Reproductive Toxicity**

**Development of Offspring** No data available

**Sexual Function and Fertility** No data available

**Effects on or via Lactation** No data available

**Germ Cell Mutagenicity** No data available

**Interactive Effects** No data available

## **SECTION 12. ECOLOGICAL INFORMATION**

### **Ecotoxicity**

Acutely harmful for aquatic organisms. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

### **Toxicity to Fish**

**LC50 96h, *Leuciscus idus*:** 316 mg/l (DIN 38412 Part 15, static)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. The details of the toxic effect relate to the nominal concentration.

### **Aquatic Invertebrates**

**EC50 48h, *Daphnia Magna*:** 59 mg/l (Directive 79/831/EEC, static)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. The details of the toxic effect relate to the nominal concentration.

### **Aquatic Plants**

**EC50 72h, *Scenedesmus subspicatus*:** 31.9 mg/l (growth rate) (OECD Guideline 201, static)

---

**Sodium Sulphite / X-IT**

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. The details of the toxic effect relate to the nominal concentration.

#### **Chronic Toxicity to Fish**

**NOEC 34d, Brachydanio rerio:** 316 mg/l (OECD Guideline 210, Flow-through)

The details of the toxic effect relate to the nominal concentration.

#### **Chronic Toxicity to Aquatic Invertebrates**

**NOEC 21d, Daphnia magna:** > 10mg/l (OECD Guideline 211, semistatic)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. The details of the toxic effect relate to the nominal concentration.

#### **Toxicity to Microorganisms**

**EC10 17h, Bacterium:** 260 mg/l (DIN 38412 Part 8 aquatic)

The details of the toxic effect relate to the nominal concentration.

#### **Persistence and Degradability**

##### **Assessment biodegradation and elimination (H<sub>2</sub>O)**

Inorganic product which cannot be eliminated from water by biological purification processes.

##### **Assessment of stability in water**

According to structural properties, hydrolysis is not expected/probable.

#### **Bioaccumulative Potential**

##### **Assessment bioaccumulation potential**

Significant accumulation in organisms is not to be expected.

##### **Bioaccumulation potential**

Not available

#### **Mobility in Soil**

##### **Assessment transport between environmental compartments**

Adsorption to solid soil phase is not expected.

#### **Other Adverse Effects**

Higher concentrations of the substance may cause a strong chemical oxygen consumption in biological sewage-treatment plants and/or waterways. Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

## **SECTION 13. DISPOSAL CONSIDERATIONS**

#### **Disposal Methods**

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

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

## SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Technical Name (for N.O.S. entry)	Transport Hazard Class(es)	Packing Group
TDG			Not Regulated		
US DOT			Not Regulated		
IMDG			Not Regulated		
IATA/ICAO			Not Regulated		

**Special Precautions**                      None known

**Environmental Hazards**                Not available

## SECTION 15. REGULATORY INFORMATION

### Safety, Health, and Environmental Regulations

#### CANADA

**DSL/NDSL** All components of this product are either on the DSL the NDSL or are exempt.

#### USA

**TSCA** All components of this product are on the Toxic Substances Control Act (TSCA) Inventory list or are exempt.

## SECTION 16. OTHER INFORMATION

**Prepared By (Group, Department):** Quality Assurance

**Telephone:** (905) 332-6626

**Preparation Date:** January 1, 1996

**Date of Latest Revision:** April 19, 2022

**Additional Notes or References:**

While Capo Industries Ltd. believes that the data contained herein are factual and the opinions expressed are those of qualified experts regarding the results of the tests conducted, the data are not to be taken as a warranty or representation for which Capo Industries Ltd. assumes legal responsibility. They are offered solely for your consideration and verification. Any use of this data and information must be determined by the user to be in accordance with applicable Federal, Provincial, and local laws and regulations.