



MATERIAL SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT & COMPANY IDENTIFICATION:

Product Name: Sodium Bisulphite Solution, 38%

Trade Name: Same

Product Use: For the manufacture of perfume, pharmaceuticals, photo chemicals, bleaching agent, and papermaking. Sulfite Reducing Agent.

Emergency Phone Number:
877-378-7745

Supplier Name & Address:
FLOCHEM LTD.
R.R. #7 Guelph, ON, N1H 6J4

Manufacturer Name & Address:
SULCO CHEMICALS

Effective Date: January 24, 2012

SECTION 2 - COMPOSITION/INFORMATION INGREDIENTS:

<u>Ingredients</u>	<u>% by Wt.</u>	<u>CAS#</u>
Sodium Bisulphite	30-60	7631-90-5
Water	56-66	7732-18-5

SECTION 3 - HAZARDS IDENTIFICATION:

Emergency Overview: **Danger!** Product is irritating to skin, eyes and respiratory tract. Incompatible with acids and oxidizers (*acidification will liberate sulfur dioxide gas*). Thermal decomposition products are corrosive and/or toxic and include oxides of sulfur. Sodium Bisulphite is a clear, colourless to light yellow liquid with distinctive odour. Pungent odour of Sulfur Dioxide.

Potential Health Effects:

	ACGIH (TLV)	NIOSH
Sodium Bisulphite	5 mg/m ³ (TWA)	5 mg/m ³ (TWA - 10 hrs)

In Contact with the Skin: May cause severe irritation. May cause skin burns.

In Contact with the Eyes: This product causes irritation, redness, and pain. May cause burns if left untreated. Can cause burning sensation, tearing and redness.

Inhaled: Product is irritating to the nose, throat and respiratory tract. Can cause wheezing, shortness of breath.

Ingested: May cause allergic reaction in some asthmatics. Ingestion of large amounts may cause nausea, gastrointestinal upset and abdominal pain. May cause central nervous system (CNS) depression, nausea and vomiting, diarrhea, violent colic and death.

Effects of Acute Exposure: May cause allergic skin reaction and sensitization. May cause allergic respiratory reaction and sensitization.

SECTION 4 - FIRST AID:

Precaution: Effects of exposure (inhalation, ingestion or skin contact) to substance may be delayed.

Skin Contact: Flush skin with running water for a minimum of 15 minutes. Start flushing while removing contaminated clothing. If irritation persists, repeat flushing. Obtain medical attention immediately. Do not transport victim unless the recommended flushing period is completed or flushing can be continued during transport. For minor skin contact, avoid spreading material on unaffected skin. Discard heavily contaminated clothing and shoes in a manner which limits further exposure. Otherwise, wash clothing separately before reuse.

Eye Contact: Immediately flush eyes with running water for a minimum of 15 minutes. Hold eyelids open during flushing. If irritation persists, repeat flushing. Obtain medical attention immediately. Do not transport victim until the recommended flushing period is completed unless flushing can be continued during transport.

Inhalation: Move victim to fresh air. Give artificial respiration only if breathing has stopped. Give Cardiopulmonary Resuscitation (CPR) if there is no breathing and no pulse. Obtain medical attention immediately.

Ingestion: Do not induce vomiting. If victim is alert and not convulsing, rinse mouth and give ½ to 1 glass of water to dilute material. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomitus, rinse mouth and administer more water. Immediately contact local poison control center. Vomiting may need to be induced but should be directed by a physician or a poison control center. Immediately transport victim to an emergency facility.

SECTION 5 - FIRE FIGHTING MEASURES:

Flash Point (method): None

Autoignition Temperature: Not applicable.

Flammability Limits in Air (%): UEL: Not applicable LEL: Not applicable

Fire Extinguishing Media: Use extinguishing media appropriate to surrounding fire. Use water spray, carbon dioxide, dry chemical, alcohol or universal type foam, as per manufacturer's instructions.

Special Fire Fighting Procedures: Evacuate non-essential personnel from the area. Wear an approved, self-contained, breathing apparatus and protective clothing. Cool fire exposed containers with water.

Hazardous Combustion Products: Oxides of Sulfur, Disodium Oxide.

SECTION 6 - ACCIDENTAL RELEASE MEASURES:

In the Event of a Spill or Leak: Evacuate all non-essential personnel from the area. Wear protective equipment. Safely stop the discharge. Contain material as necessary with a barrier or dike. Absorb spills with clay or sawdust and place in closed waste containers. Avoid discharge to natural water ways.

SECTION 7 - HANDLING & STORAGE:

Handling Procedures and Equipment: Rubber lined carbon steel or certain stainless steel materials are suitable for use.

Storage Requirements: Store in a cool, dry, well-ventilated place, away from incompatible substances. Store in tightly closed container. Use in a well ventilated area following good safety practices. Do not ingest or inhale vapour or mist. Avoid contact with eyes, skin, and clothing.

SECTION 8 - EXPOSURE CONTROLS:

Engineering Controls: Local exhaust ventilation required.

Respiratory Protection: A NIOSH/MSHA approved air-purifying respirator equipped with acid gas/fume, dust, mist cartridges for concentrations up to 50 mg/m³ or 20 ppm as sulfur dioxide. A powered air-purifying respirator with acid gas cartridges for up to 50 ppm sulfur dioxide. A full-face piece air-supplied respirator if concentrations are for up to and higher than 100 ppm sulfur dioxide.

Skin Protection: Impervious (i.e., neoprene, PVC, rubber) gloves, coveralls, boots and/or other acid resistant protective clothing.

Eye Protection: Tight-fitting chemical goggles and face shield.

Other Personal Protective Equipment: Where there is a danger of spilling or splashing, acid resistant aprons or suits should be worn. Trouser legs should be worn outside (not tucked in) rubber boots. Safety showers and eyewash fountains should be installed in storage and handling areas.

SECTION 9 - PHYSICAL PROPERTIES

Physical State: Liquid

Appearance and Odour: Clear, colourless to light yellow liquid with distinctive odour of Sulfide.

Odour Threshold: No data

Boiling Point: 104°C (220°F)

Melting/Freezing Point: Approximately 6°C (43°F)

Vapour Pressure: 32 mmHg at 20°C, 78 mm Hg at 37.7°C

Specific Gravity at 25°C (77°F): 1.33 for 38% @ 25°C

Vapour Density (Air=1): Not applicable

Bulk Density: Not applicable

Evaporation Rate: Not applicable

Solubility: Complete

pH: 3.8 to 5.2

SECTION 10 - STABILITY & REACTIVITY

Solubility: Under Normal Conditions of use.

Materials to Avoid: Strong oxidizers, acids.

Hazardous Decomposition or Combustion Products: Thermal decomposition products are toxic and include oxides of sulfur, disodium oxide.

Hazardous Polymerization: Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Toxicological Data: LD50 oral rat 2000 mg/kg; Intraperitoneal rat - 475 mg/kg; IV rat - 115 mg/kg

Skin Effects (rabbit): Application of 0.5 grams of 100% Sodium Bisulphite for 4 - hours caused mild irritation.

SECTION 12 - ECOLOGICAL CONSIDERATIONS

No Data Available.

SECTION 13- DISPOSAL CONSIDERATIONS

- Responsibility for proper waste disposal is with the owner of the waste. Work with the appropriate regulatory bodies to ensure compliance with regulations.
- Provincial/State or local regulations or restrictions are complex and may differ from Federal regulations.

SECTION 14 - TRANSPORT INFORMATION

Proper Shipping Name: Bisulphites, Aqueous Solution N.O.S., (Sodium Bisulphite Solution)

TDG Classification(s): 8

Product Identification No. : UN 2693

Packing Group: III

SECTION 15 - REGULATORY INFORMATION

WHMIS Classification: Class D2A, D2B, E

SECTION 16 - OTHER INFORMATION

Disclaimer:

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED TO THE BEST OF OUR KNOWLEDGE, TO BE ACCURATE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THIS DATA OR THE RESULTS OBTAINED FROM THE USE THEREOF.

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