



## MATERIAL SAFETY DATA SHEET

**PRODUCT NAME: Sodium Metabisulphate  
Food Grade**

**SO351-00**

### SECTION 01: PRODUCT INFORMATION AND COMPANY INFORMATION

**CHEMICAL FAMILY** Not Available      **CHEMICAL FORMULA** Not Applicable  
**MOLECULAR WEIGHT** Not Applicable      **MATERIAL USE:** Please Refer to technical literature  
**SYNONYMS:** Anhydrous sodium bisulfite, ABS,  
sodium pyrosulfite.

### SECTION 02: COMPOSITION / INFORMATION ON INGREDIENTS

<b>Hazardous Ingredients</b>	<b>Conc. Approx. %</b>	<b>C.A.S. #</b>	<b>LD/50 (RTE/SPEC)</b>	<b>LC/50 (RTE/SPEC)</b>	<b>TLV</b>
Sodium Metabisulfite	60-100	7681-57-4	2 g/kg	N.Av.	N.Av.

### SECTION 03: HAZARD IDENTIFICATION

#### ROUTE OF ENTRY

- Eyes:** Dust or mist may irritate or burn eyes. Solutions can cause severe eye irritation with tearing, redness, or a stinging or burning feeling.
- Skin:** Prolonged contact can cause skin irritation. Solutions will irritate.
- Inhalation:** Contact with acids liberates irritating and potentially fatal sulphur dioxide gas. May cause severe or deadly allergic reactions in some asthmatics and sulfite sensitive individuals. May cause irritation of upper respiratory tract. Possible signs and symptoms of allergic reaction include bronchoconstriction, sweating, flushing, hives, rapid heart rate, decreased blood pressure and anaphylaxis.
- Ingestion:** May result in irritation of the mouth and gastrointestinal tract. Large doses may cause violent colic and diarrhea, circulatory disturbances, central nervous system depression.

### SECTION 04: FIRSTAID

- Skin Contact:** Flush skin with large amounts of water. If irritation persists, get medical attention. Remove contaminated clothing and laundry before reuse.
- Eye Contact:** In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.
- Inhalation, Acute:** Move person to fresh air. If irritation persists, seek medical attention.
- Ingestion:** If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Seek medical attention immediately.

**Notes to physician:** Treatment based on sound judgment of physician and individual reactions of patient.

**SECTION 05: FIRE EXPLOSION HAZARD AND FIRE FIGHTING MEASURES**

<b>FLAMMABLE?</b>	No
<b>IF YES, UNDER WHICH CONDITIONS?</b>	
<b>FLASH POINT (TCC) (C):</b>	Not Available
<b>FLAMMABLE LIMITS:</b>	<b>LEL(% BY VOL.):</b> Not Available <b>UEL(% BY VOL.):</b> Not Available
<b>AUTO IGNITION TEMPERATURE (C)</b>	Not Available
<b>EXTINGUISHING MEDIA</b>	Use extinguishing media appropriate for surrounding fire.
<b>SPECIAL PROCEDURES:</b>	Emits toxic fumes under fire conditions.
<b>HAZARDOUS COMBUSTION PRODUCTS:</b>	Not Available
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS</b>	Not Available
<b>SENSITIVITY TO STATIC DISCHARGE</b>	Not Available
<b>SENSITIVITY TO MECHANICAL IMPACT:</b>	Not Available

**SECTION 06: ACCIDENTAL RELEASE MEASURES**

**Leak and Spill Procedure:** Personal Precautionary Measures: Wear appropriate protective equipment. Ventilate spill area if possible.  
Environmental Precautionary Measures: Prevent entry into sewers or streams, dike if needed.  
Procedure for Clean Up: Ventilate area. Pick up solids and put in an appropriate sealed container for later disposal. Cautiously spray residue with plenty of water.

**SECTION 07: HANDLING AND STORAGE****Handling Procedures and Storage Requirements**

Handling: Avoid contact with eyes, skin and clothing. Avoid breathing in dust. Wash thoroughly after handling. For Food Grade product see following precautions regarding on-board use in preserving shrimp and fish. On-board ship use of Food Grade material to preserve shrimp and fish: NEVER apply dry material to shrimp or fish. ALWAYS prepare and use a solution in a well-ventilation area. NEVER use below deck or in any confined space such as a hold or cooler. Injury or death may occur. ALWAYS use on deck with plenty of ventilation. Follow mixing and use directions printed on bag.

Storage: Store in a cool, dry, well ventilated area, away from heat and ignition sources. Protect against moisture, water and physical damage. Dry to avoid tendency of product to cake.

**SECTION 08: PERSONAL PROTECTIVE EQUIPMENT / EXPOSURE CONTROLS**

<b>GLOVES/TYPE:</b>	Impervious gloves.
<b>RESPIRATOR/TYPE:</b>	For dusty or misty conditions, wear NIOSH-approved dust or mist respirator. Use self-contained breathing apparatus in high vapor concentrations.
<b>EYE/TYPE:</b>	Safety glasses (with side shields) Do NOT wear contact lenses.
<b>OTHER/TYPE:</b>	Ensure that eyewash stations and safety showers are proximal to the work-station location.
<b>ENGINEERING CONTROL</b>	Localized ventilation should be used to control dust levels. Use in a well ventilated area. Do not use in unventilated spaces, e.g. the holds of fishing boats, walk-in coolers or confined spaces.

**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

<b>PHYSICAL STATE/APPEARANCE:</b>	Solid Fine Granular		
<b>ODOUR:</b>	Pungent Sulphur dioxide.	<b>ODOUR THRESHOLD:</b>	N. Av.
<b>VAPOUR PRESSURE (mm Hg @ 20C):</b>	N. Av.	<b>VAPOUR DENSITY (Air=1):</b>	3.6
<b>EVAPORATION RATE (Ether = 1):</b>	<0.01	<b>SPECIFIC GRAVITY:</b>	1.48
<b>BOILING POINT (C):</b>	N. Av.	<b>FREEZING POINT (C)</b>	Decomposes above 150 C.
<b>Ph (% SOLUTION):</b>	4.3	<b>% VOLATILE (WT):</b>	N. Av.
<b>SOLUBILITY IN WATER (% W/W)</b>	39% @ 16 C		

**SECTION 10: STABILITY AND REACTIVITY**

**CHEMICALLY STABLE?** Stable

**IF NO, UNDER WHICH CONDITIONS?**

**INCOMPATIBILITY WITH OTHER SUBSTANCES** Yes

**IF YES, WITH WHICH ONES:** Oxidizing agents. Acids. Water.

**SPECIAL REACTIVITY AND UNDER WHAT CONDITIONS** Temperatures above 150 C. Cause evolution of toxic and corrosive gas -sulphur dioxide. Heat.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Sulfur dioxide. Sodium sulfide residue.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**EXPOSURE LIMIT OF MATERIAL**

**LC 50 OF MATERIAL, SPECIES AND ROUTE**

**LD 50 OF MATERIAL, SPECIES AND ROUTE** See Sec 2

**CARCINOGENICITY OF MATERIAL**

**REPRODUCTIVE EFFECTS:**

**IRRITANCY OF MATERIAL**

**SENSITIZING CAPABILITY OF MATERIAL**

**SYNERGISTIC MATERIALS**

**SECTION 12: ECOLOGICAL INFORMATION**

**AQUATIC TOXICITY**

**SECTION 13: DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL:** Disposal of Waste Method: Disposal of all wastes must be done in accordance with municipal, provincial and federal regulations.  
Contaminated Packaging: Empty containers should be recycled or disposed of through an approved waste management facility.

**SECTION 14: TRANSPORT INFORMATION**

**TDG CLASSIFICATION** Class ,

**UN NUMBER:**

**PACKING GROUP:**

**Special Provisions for Transport**

**SECTION 15: REGULATORY INFORMATION**

**WHMIS CLASSIFICATION** D2B

D2B TOXIC MATERIALS

**SECTION 16: OTHER INFORMATION**

**ABBREVIATIONS USED:** N.Av. = Not Available  
N.App. / N.Ap. = Not Applicable

**SOURCES:** Supplier MSDS