



## Material Safety Data Sheet

LA6215  
Sodium Metabisulphite NF/FG/Photo Grade

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Id:** LA6215

**Product Name:** Sodium Metabisulphite NF/FG/Photo Grade

**Synonyms:** Anhydrous sodium bisulfite, ABS, sodium pyrosulfite.

**Chemical Family:** None Known

**Application:** Bleaching and disinfectant agent in textile, laundering, paper and fermentation industries. Water treatment. Photographical agent. Chemical processing. Drug manufacturing. Food additive. Only NF grade is for use in drug formulation. Only Food Grade (FG) material is for use as a food additive.

**Distributed By:**

Univar Canada Ltd.  
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Richmond, BC  
V6X 1W5

**Prepared By:** The Environment, Health and Safety Department of Univar Canada Ltd.

**Preparation date of MSDS:** 07/Feb/2013

**Telephone number of preparer:** 1-866-686-4827

**24-Hour Emergency Telephone Number (CANUTEC):** (613) 996-6666

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Percentage (W/W)	LD50s and LC50s Route & Species:
Sodium Metabisulfite 7681-57-4	60-100	Oral LD50 Rat = 1131 mg/kg Dermal LD50 Rat > 2 g/kg

**Note:** Remainder of the ingredients are non-hazardous.

### 3. HAZARDS IDENTIFICATION

**Potential Acute Health Effects:**

**Eye Contact:** Dust or mist may irritate or burn eyes. Solutions can cause severe eye irritation with tearing, redness, or a stinging or burning feeling. May cause permanent eye damage.

**Skin Contact:** Repeated or prolonged contact may cause irritation. Solutions are more irritating and may cause burns if not removed from skin promptly.

**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 the respiratory tract. Possible signs and symptoms of allergic reaction include bronchoconstriction, sweating, flushing, hives, rapid heart rate, decreased blood pressure and anaphylaxis.

### 3. HAZARDS IDENTIFICATION

**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. Sulfite sensitive individuals may experience an allergic reaction with nausea, diarrhea, itching, swelling, hives, acute asthma attack, loss of consciousness or anaphylactic shock.

### 4. FIRST AID MEASURES

**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. Remove contact lenses, if present, after the first five minutes, then continue rinsing. Seek immediate medical attention.

**Skin Contact:** Flush with large amounts of soap and water. Remove contaminated clothing and launder before reuse. Get medical attention if irritation persists.

**Inhalation:** 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. Note potential for anaphylactic shock with allergic individuals.

### 5. FIRE FIGHTING MEASURES

**Flash Point:** None.

**Flash Point Method:** Not applicable.

**Autoignition Temperature:** Not available.

**Flammable Limits in Air (%):** Not Available.

**Extinguishing Media:** Use extinguishing media appropriate for surrounding fire.

**Special Exposure Hazards:** Emits toxic fumes under fire conditions.

**Hazardous Decomposition/Combustion Materials (under fire conditions):** Toxic fumes. Sulphur dioxide.

**Special Protective Equipment:** Fire fighters should wear full protective clothing, including self-contained breathing equipment.

**NFPA RATINGS FOR THIS PRODUCT ARE:** Not Available.

**HMIS RATINGS FOR THIS PRODUCT ARE:** Not Available.

### 6. ACCIDENTAL RELEASE MEASURES

**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.

### 7. HANDLING AND STORAGE

**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.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Engineering Controls:

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.

**Respiratory Protection:** For dusty or misty conditions, wear NIOSH-approved dust or mist respirator. Use self-contained breathing apparatus in high vapor concentrations.

### Gloves:

Impervious gloves.

**Skin Protection:** For handling dry material, wear cotton gloves and full work clothing, including long-sleeved shirt and trousers. When handling solutions, wear impervious gloves and an apron. Impervious boots.

**Eyes:** Safety glasses (with side shields). Do NOT wear contact lenses.

**Other Personal Protection Data:** Ensure that eyewash stations and safety showers are proximal to the work-station location.

Ingredients	Exposure Limit - ACGIH	Exposure Limit - OSHA	Immediately Dangerous to Life or Health - IDLH
Sodium Metabisulfite	5 mg/m <sup>3</sup> TLV-TWA	5 mg/m <sup>3</sup> TWA	Not Available.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Solid Fine Granular

**Color:** White

**Odor:** Pungent Sulphur dioxide.

**pH** 4.3 (1% solution)

**Specific Gravity:** 1.48

**Boiling Point:** Not Available.

**Freezing/Melting Point:** Decomposes at >150°C

**Vapor Pressure:** Not Available.

**Vapor Density:** Not Available.

**% Volatile by Volume:** Not Available.

**Evaporation Rate:** Not Available.

**Solubility:** 39% @ 16°C

**VOCs:** Not Available.

**Viscosity:** Not Available.

**Molecular Weight:** 190.11

**Other:** Not Available.

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable.

**Hazardous Polymerization:** Will not occur.

**Conditions to Avoid:** Temperatures above 150°C. Cause evolution of toxic and corrosive gas - sulphur dioxide. Heat.

**Materials to Avoid:** Oxidizing agents. Acids. Water.

**Hazardous Decomposition Products:** Sulphur dioxide. Sodium sulfide residue.

### Additional Information:

Oxidizers may cause strong exothermic reactions. Acids, water and ice yield sulfur dioxide gas, which is toxic and corrosive and potentially deadly.

## 11. TOXICOLOGICAL INFORMATION

### Principle Routes of Exposure

**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. Sulfite sensitive individuals may experience an allergic reaction with nausea, diarrhea, itching, swelling, hives, acute asthma attack, loss of consciousness or anaphylactic shock.

**Skin Contact:** Repeated or prolonged contact may cause irritation. Solutions are more irritating and may cause burns if not removed from skin promptly.

## 11. TOXICOLOGICAL INFORMATION

**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 the respiratory tract. Possible signs and symptoms of allergic reaction include bronchoconstriction, sweating, flushing, hives, rapid heart rate, decreased blood pressure and anaphylaxis.

**Eye Contact:** Dust or mist may irritate or burn eyes. Solutions can cause severe eye irritation with tearing, redness, or a stinging or burning feeling. May cause permanent eye damage.

**Additional Information:**

**Acute Test of Product:**

**Acute Oral LD50:** Not Available.

**Acute Dermal LD50:** Not Available.

**Acute Inhalation LC50:** Not Available.

**Carcinogenicity:**

Ingredients	IARC - Carcinogens	ACGIH - Carcinogens
Sodium Metabisulfite	Group 3	A4

**Carcinogenicity Comment:** No additional information available.

**Reproductive Toxicity/ Teratogenicity/ Embryotoxicity/ Mutagenicity:** Not Available.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicological Information:**

Ingredients	Ecotoxicity - Fish Species Data	Acute Crustaceans Toxicity:	Ecotoxicity - Freshwater Algae Data
Sodium Metabisulfite	32 mg/L LC50 (Lepomis macrochirus) 96 h static	Not Available.	40 mg/L EC50 Desmodesmus subspicatus 96 h 48 mg/L EC50 Desmodesmus subspicatus 72 h

**Other Information:**

No additional remark.

## 13. DISPOSAL CONSIDERATIONS

**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.

## 14. TRANSPORT INFORMATION

**DOT (U.S.):**

**DOT Shipping Name:** Not Regulated.

**DOT Hazardous Class:** Not Applicable.

**DOT UN Number:** Not Applicable.

**DOT Packing Group:** Not Applicable.

**DOT Reportable Quantity (lbs):** Not Available.

**Note:** No additional remark.

**Marine Pollutant:** No.

**TDG (Canada):**

**TDG Shipping Name:** Not Regulated.

**Hazard Class:** Not Applicable.

**UN Number:** Not Applicable.

**Packing Group:** Not Applicable.

## 14. TRANSPORT INFORMATION

**Note:** No additional remark.

**Marine Pollutant:** No.

## 15. REGULATORY INFORMATION

**U.S. TSCA Inventory Status:** All components of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt.

**Canadian DSL Inventory Status:** All components of this product are either on the Domestic Substances List (DSL), the Non-Domestic Substances List (NDSL) or exempt.

**Note:** Not available.

### U.S. Regulatory Rules

Ingredients	CERCLA/SARA - Section 302:	SARA (311, 312) Hazard Class:	CERCLA/SARA - Section 313:
Sodium Metabisulfite	Not Listed.	Not Listed.	Not Listed.

**California Proposition 65:** Not Listed.

**MA Right to Know List:** Listed.

**New Jersey Right-to-Know List:** Listed.

**Pennsylvania Right to Know List:** Listed.

**WHMIS Hazardous Class:**

D2B TOXIC MATERIALS



## 16. OTHER INFORMATION

**Additional Information:**

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**Disclaimer:**

**NOTICE TO READER:**

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**\*\*\*END OF MSDS\*\*\***