Safety Data Sheet
Sodium Metabisulfite, 1% Aqueous

Section 1 - Chemical Product and Company Identification

SDS Name: Sodium Metabisulfite, 1% Aqueous
Catalog Numbers: SO-561
Company Identification: Transene Company, Inc., DBA ROWLEY BIOCHEMICAL, Inc.
10 ELECTRONICS AVENUE
DANVERS, MA 01923
For information, call: 978-739-4883
Emergency Number: 800-424-9300
For CHEMTREC assistance, call: 800-424-9300

Section 2 - Hazards Identification

GHS Classifications

H319-Serious eye damage/eye irritation: 2A

1% of the mixture consists of ingredients of unknown acute inhalation toxicity.

Pictograms or Hazard symbols and Hazard statement(s):

Signal Word: Warning

Hazard Statements:

H319-Causes serious eye irritation

Precautionary Statements:

P264-Wash thoroughly after handling.
P280-Wear eye protection/face protection.
P305+P351+P338-If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313-If eye irritation persists: Get medical advice/attention.

Section 3 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent
7681-57-4	Sodium metabisulfite	1 w/v
7732-18-5	Water	Balance

Section 4 - First Aid Measures

Eye Exposure: In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Seek medical attention.

Dermal Exposure: In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Seek medical attention.

Oral Exposure: If swallowed, seek immediate medical advice. Rinse mouth with water.

Inhalation Exposure: If inhaled, remove to fresh air. If breathing becomes difficult, call a physician immediately.

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating gases may be generated by thermal decomposition or combustion.

Extinguishing Media: Use dry chemical, carbon dioxide, dry sand, water spray, or alcohol-resistant foam.

Hazardous Combustion Products: Sulfur oxides, sodium oxides, irritating and toxic fumes and gases.

Note: contact with acids may liberate toxic gases.

Flash Point: Not available
Autoignition Temperature: Not available
Explosion Limits, Lower: Not available
Upper: Not available
NFPA Rating: (estimated) Health: 1; Flammability: 0; Instability: 0

Section 6 - Accidental Release Measures

Procedure(s) of Personal Precaution(s):
Wear personal protective equipment. Do not ingest or inhale. Do not get on skin or clothing. Do not get in eyes. Ensure adequate ventilation.

Methods for Cleaning up: Absorb with sand, earth, or vermiculite. Carefully sweep up and containerize for proper disposal. Do not release to the environment. Do not release to drains. Note: contact with acids may liberate toxic gases.

Section 7 - Handling and Storage

Wear personal protective equipment. Use care when handling. Wash thoroughly after handling. Ensure adequate ventilation. Avoid contact with skin, eyes, and clothing. Do not ingest or inhale. Store in a tightly closed container in a cool, dry, and well-ventilated area. Keep away from incompatible materials. Note: contact with acids may liberate toxic gases.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.
Personal Protective Equipment
Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin: Wear appropriate protective gloves to prevent skin exposure.
Clothing: Wear appropriate protective clothing to prevent skin exposure.
Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

Exposure Limits:

Chemical Name	ACGIH - TLV	NIOSH - IDLH	OSHA - PEL
Sodium metabisulfite CAS#7681-57-4	5 mg/m3 TWA	5 mg/m3 TWA	5 mg/m3 TWA (vacated)

Section 9 - Physical and Chemical Properties

Physical State: Liquid
Appearance: Clear, colorless
Odor: Pungent (slight)
Vapor Pressure: Not available
Odor Threshold: Not available
Vapor Density: Not available
pH: Approx. 4
Relative Density: Not available
Melting point/freezing point: Not available
Solubility: Soluble in water
Boiling Point: Not available
Flash Point: Not available
Evaporation Rate: Not available
Flammability (solid, gas): Not available
Partition coefficient: n-octanol/water: Not available
Auto-ignition Temperature: Not available
Decomposition Temperature: Not available
Viscosity: Not available
Specific Gravity/Density: Not available

Section 10 - Stability and Reactivity

Chemical Stability: Stable under ordinary conditions of use and storage.
Conditions to Avoid: Incompatible materials, excess heat, direct sunlight. Contact with acids may liberate toxic gases.
Incompatibilities with Other Materials: Strong oxidizing agents and acids.
Hazardous Decomposition Products: Sodium oxides, sulfur oxides, irritating and toxic fumes and gases.

Section 11 - Toxicological Information

CAS#7681-57-4 Sodium metabisulfite: RTECS#: UX8225000
LD50 Oral: 1310 mg/kg (rat)
LD50 Dermal: >2000 mg/kg (rat)
LC50 Inhalation: Not available

Carcinogenicity: Sodium metabisulfite CAS#7681-57-4 is not listed by IARC, NTP, ACGIH, or California Prop 65.

Information on the likely routes of exposure: Routes of entry anticipated: oral, dermal, inhalation, and eye.

Epidemiology: Not available.
Teratogenicity: Not available.
Reproductive Effects: Not available.
Developmental Effects: Not available.

Neurotoxicity: Not available.
Mutagenicity: Not available.
Specific Target Organ Toxicity, Single Exposure: Not available.
Specific Target Organ Toxicity, Repeated Exposure: Not available.

Symptoms associated with exposure: Headache, nausea, coughing, chest pain, difficulty in breathing/shortness of breath, diarrhea, and vomiting. Risk of serious eye irritation.

The toxicological properties of this material have not been thoroughly investigated.

Section 12 - Ecological Information

Ecotoxicity: Do not release to the environment. Do not release to drains.

CAS#7681-57-4 Sodium metabisulfite:
LC50, freshwater fish: 32 mg/L 96h static (lepomis macrochirus)
EC50, freshwater algae: 40 mg/L 96h (desmodesmus subspicatus)(green algae)
EC50, freshwater algae: 48 mg/L 72h (desmodesmus subspicatus)(green algae)
EC50, water flea: 89 mg/L 24h (daphnia magna)
EC50, microtox: 56 mg/L 17h

Persistence and degradability: Not available.
Bio-accumulative potential: Not available.
Mobility: Will likely be mobile in the environment due to its water solubility.

Section 13 - Disposal Considerations

DISPOSAL: Dispose of in accordance with all federal, state, and local regulations.

Section 14 – Transport Information

DOT
Non-Regulated

Section 15 - Regulatory Information

Canada Regulatory Information

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the SDS contains all the information required by the CPR.

Section 16 - Additional Information

SDS Creation Date: 10/15/12
Revision #1. RC 10/30/14
Revision #2. 12/11/17
Revision #3. 9-18-19
Revision #4. 11-3-22

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