

# SAFETY DATA SHEET

## SODIUM METABISULFITE, 0.5% AQUEOUS

### Section 1 - Chemical Product and Company Identification

**SDS Name:** Sodium Metabisulfite, 0.5% aqueous  
**Catalog Numbers:** E-330-4, F-355-5, SO-443  
**Company Identification:** ROWLEY BIOCHEMICAL  
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

H302-Acute Oral Toxicity: 4  
H313-Acute Dermal Toxicity: 5  
H333-Acute Inhalation Toxicity: 5  
H315-Skin Corrosion/Irritation: 2  
H320-Eye damage/Irritation: 2B  
H317-Skin Dermal Sensitization: 1  
H372-Specific Target Organ Toxicity: 1

#### Pictograms or Hazard symbols and Hazard statement.



Signal Word: Danger

#### Hazard Statements:

H302-Harmful if swallowed  
H313-May be harmful in contact with skin  
H333-May be harmful if inhaled  
H315-Causes skin irritation  
H320-Causes eye irritation

H317-May cause an allergic skin reaction

H372-Causes damage to organs through prolonged or repeated exposure

### Precautionary Statements:

**P260** Do not breathe dust/fume/gas/mist/vapours/spray.

**P261** Avoid breathing dust/fume/gas/mist/vapours/spray.

**P264** Wash thoroughly after handling.

**P270** Do not eat, drink or smoke when using this product.

**P272** Contaminated work clothing should not be allowed out of the workplace.

**P280** Wear protective gloves.

**P301+P312** If swallowed: Call a Poison Center or doctor/physician if you feel unwell.

**P302+P352** If on Skin: Wash with plenty of soap and water.

**P304+P312** If inhaled: Call a Poison Center or doctor/physician if you feel unwell.

**P305+P351+P338** If in Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**P314** Get medical advice/attention if you feel unwell.

**P330** Rinse mouth.

**P332+P313** If skin irritation occurs: Get medical advice/attention.

**P333+P313** If skin irritation or rash occurs: Get medical advice/attention.

**P337+P313** If eye irritation persists: Get medical advice/attention.

**P362** Take off contaminated clothing and wash before reuse.

**P363** Wash contaminated clothing before reuse.

**P501** Dispose of contents/container in accordance with all federal, state, and local regulations.

### Section 3 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent
7681-57-4	Sodium metabisulfite	0.5 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. Call a physician.

**Dermal Exposure:** In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Contact a physician if condition worsens.

**Oral Exposure:** If Swallowing seek immediate medical advice.

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

### Section 5 - Fire Fighting Measures

Firefighters should wear proper protective clothing and self contained breathing apparatus with full piece operated in positive pressure mode to prevent contact with skin and eyes.

**Extinguishing Media:** Use water spray, dry chemical powder, or appropriate foam.

**Flash Point:** N/A

**NFPA Rating:** (estimated) Health: 1; Flammability: 0; Instability: 0

#### Section 6 - Accidental Release Measures

**Procedure(s) of Personal Precaution(s):**

Wear protective gear.

**Methods for Cleaning up:** Absorb with sand, earth or vermiculite. Carefully sweep up and containerize for proper disposal.

#### Section 7 - Handling and Storage

Use care when handling. Wash thoroughly after handling. Store capped in a cool, well ventilated area. Keep away from incompatible materials.

#### 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.

#### Section 9 - Physical and Chemical Properties

**Physical State:** Liquid

**Appearance:** Clear

**Odor:** Sulfurous. (Slight.)

**pH:** 4.0(+/-1.0)

**Water.**

**Vapor Pressure:** 2.3 kPa @ 20deg. C

**Vapor Density:** 0.62 (Air=1)

**Evaporation Rate:** N/A

**Viscosity:** N/A

**Boiling Point:** 100 deg. C

**Solubility:** N/A

Section 10 - Stability and Reactivity

**Chemical Stability:** Stable under ordinary conditions of use and storage. Heat and sunlight can contribute to instability.

**Conditions to Avoid:** Heat, freezing.

**Incompatibilities with Other Materials:** Reactive with oxidizing agents, acids.

**Hazardous Decomposition Products:** Products of degradation are less toxic than the product itself.

**Hazardous Polymerization:** Will not occur.

Section 11 - Toxicological Information

**RTECS#:** VZ2000000

**LD50/LC50:**

CAS# 7681-57-4

Acute oral rat LD50: 1131 mg/kg.

**Carcinogenicity:**

CAS# 7681-57-4: Not listed by ACGIH, NTP, or CA Prop 65.

Carcinogenic Group: 3 (not classifiable for human.) by IARC.

**Mutagenicity:** For bacteria and/or yeast. May cause damage to the following organs: lungs, skin.

Section 12 - Ecological Information

**CAS#** 7681-57-4

**Ecotoxicity:** No information available.

**Environmental:** No information available.

**Physical:** No information available.

**Other:** No information available.

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 MSDS contains all the information required by the CPR.

**European/International Regulations**  
**European Labeling in Accordance with EC Directives**

**Risk Phrases:**

R48/21/22 Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.  
R36/37/38 Irritating to eyes, skin and respiratory tract.  
R42/43 May cause sensitization by inhalation and skin contact.

**Safety Phrases:**

S20/21 When using do not eat, drink or smoke  
S2 Keep out of the reach of children.  
S3 Keep in a cool place.  
S7 Keep container tightly closed.  
S9 Keep container in a well-ventilated place

Section 16 - Additional Information
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**SDS Creation Date:** 10/15/12

**Revision #1. RC 10/30/14 Revision #2. 12/11/17**

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