



# SAFETY DATA SHEET

Preparation Date: 8/4/2015

Revision Date: 6/13/2021

Revision Number: G3

## 1. IDENTIFICATION

### Product identifier

**Product code:** C7560, C7561, C7562  
**Product Name:** SODIUM METABISULFITE, GRANULAR

### Other means of identification

**Synonyms:** Disodium disulfite  
Disodium metabisulfite  
Disodium pyrosulfite  
Sodium Metabisulfite  
Sodium pyrosulfite  
Disulfurous acid, disodium salt  
Sodium metabisulphite

**CAS #:** 7681-57-4  
**RTECS #** UX8225000  
**CI#:** Not available

### Recommended use of the chemical and restrictions on use

**Recommended use:** Food preservative. Antioxidant. In pharmaceuticals.  
**Uses advised against** No information available

**Supplier:** Lab Alley LLC  
22111 Highway 71 West, Suite 601  
Spicewood, Texas 78669  
Tel.: 512-668-9918

**Emergency telephone number** InfoTrac: 800-535-5053

## 2. HAZARDS IDENTIFICATION

### Classification

This chemical is considered hazardous according to the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Considered a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Acute toxicity - Oral	Category 4
Serious eye damage/eye irritation	Category 2A
Respiratory sensitization	Category 1
Skin sensitization	Category 1

### Label elements

Danger

**Product code:** C7560-2

**Product name:** SODIUM  
METABISULFITE, GRANULAR

1 / 13

**Hazard statements**

Harmful if swallowed  
 Causes serious eye irritation  
 May cause allergy or asthma symptoms or breathing difficulties if inhaled  
 May cause an allergic skin reaction

**Hazards not otherwise classified (HNOC)**

Not Applicable

**Other hazards**

Harmful to aquatic life with long lasting effects  
 Harmful to aquatic life

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
 Do not eat, drink or smoke when using this product  
 Avoid breathing dust/fume/gas/mist/vapors/spray  
 In case of inadequate ventilation wear respiratory protection  
 Contaminated work clothing must not be allowed out of the workplace  
 Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.  
 IF ON SKIN: Wash with plenty of water  
 If skin irritation or rash occurs: Get medical advice/attention  
 Wash contaminated clothing before reuse  
 IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.  
 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
 Rinse mouth

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Weight %
Sodium Metabisulfite	7681-57-4	100

### 4. FIRST AID MEASURES

**First aid measures**

**General Advice:** National Capital Poison Center in the United States can provide assistance if you have a poison emergency and need to talk to a poison specialist. Call 1-800-222-1222.

**Skin Contact:** Wash off immediately with soap and plenty of water removing all contaminated clothing and shoes. Get medical attention. If skin irritation persists, call a physician.

**Eye Contact:** Flush eyes with water for 15 minutes. Get medical attention. If symptoms persist, call a physician.

**Inhalation:** Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Ingestion:** Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Obtain medical attention.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** Causes serious eye irritation  
May cause sensitization by inhalation and skin contact  
May cause allergic contact dermatitis  
May cause allergy or asthma symptoms or breathing difficulties if inhaled  
May cause irritation of respiratory tract  
Coughing and wheezing  
Inhalation of high concentrations of vapors may cause central nervous system depression  
Irritating to mouth, throat and stomach  
Seizures  
Central nervous system depression  
May cause cardiovascular effects

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician:** Treat symptomatically.

**Protection of first-aiders**

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste.

**5. FIRE-FIGHTING MEASURES**

**Extinguishing Media**

**Suitable Extinguishing Media:** The product is not flammable. If it is involved in a fire, use dry chemical, dry sand or carbon dioxide.

**Unsuitable Extinguishing Media:** No information available.

**Specific hazards arising from the chemical**

**Hazardous Combustion Products:** If it is involved in a fire the following can be released:  
Sulfur Oxides. Sodium Oxides. Sodium Sulfate.

**Specific hazards:** No information available.

**Special Protective Actions for Firefighters**

**Specific Methods:** No information available.

**Special Protective Equipment for Firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions:** Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Avoid dust formation. Remove all sources of ignition.

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas. Prevent product from entering drains. Do not let this chemical enter the environment.

### Methods and material for containment and cleaning up

**Methods for containment** Stop leak if you can do it without risk. Cover with plastic sheet to prevent spreading.

**Methods for cleaning up** Sweep up and shovel into suitable containers for disposal. Clean contaminated surface thoroughly. Use appropriate tools to put the spilled material in a suitable chemical waste disposal container.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

#### **Technical Measures/Precautions:**

Provide sufficient air exchange and/or exhaust in work rooms. Avoid dust formation. Keep away from incompatible materials.

#### **Safe Handling Advice**

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not ingest. Do not breathe dust. Keep away from heat and sources of ignition. Handle in accordance with good industrial hygiene and safety practice.

### Conditions for safe storage, including any incompatibilities

#### **Technical Measures/Storage Conditions:**

Sensitive to light. Store in light-resistant containers. Air sensitive. Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Store away from incompatible materials.

#### **Incompatible Materials:**

Oxidizing agents  
Strong acids  
Strong bases  
Sodium Nitrite  
Moisture

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### **National occupational exposure limits**

##### **United States**

Components	CAS-No.	OSHA	NIOSH	ACGIH	AIHA WEEL
Sodium Metabisulfite	7681-57-4	None	5 mg/m <sup>3</sup> TWA	5 mg/m <sup>3</sup> TWA	None

##### **Canada**

Components	CAS-No.	Canada - Alberta	Canada - British Columbia	Canada - Ontario	Canada - Quebec
Sodium Metabisulfite	7681-57-4	5 mg/m <sup>3</sup> TWA	5 mg/m <sup>3</sup> TWA	None	None

### Australia and Mexico

Components	CAS-No.	Australia	Mexico
Sodium Metabisulfite	7681-57-4	5 mg/m <sup>3</sup> TWA	None

### Appropriate engineering controls

#### Engineering measures to reduce exposure:

Ensure adequate ventilation, especially in confined areas. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

### Individual protection measures, such as personal protective equipment

#### Personal Protective Equipment

**Eye protection:** Goggles or Safety glasses with side-shields

**Skin and body protection:** Chemical resistant apron  
Gloves  
Long sleeved clothing

**Respiratory protection:** Effective dust mask. or. Wear respirator with dust filter. Use a dust respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentration of dust (dust clouds) , inadequate ventilation, development of respiratory tract irritation), and engineering controls are not feasible. Be sure to use an approved/certified respirator or equivalent.

**Hygiene measures:** Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:**  
Solid

**Appearance:**  
Crystalline powder. Crystalline granules. Granular.

**Color:**  
White to yellowish.

**Odor:**  
Sulfur dioxide odor.

**Taste**  
No information available.

**Formula:**  
Na<sub>2</sub>S<sub>2</sub>O<sub>5</sub>

**Molecular/Formula weight:**  
190.11 g/mol

**Flammability:**  
No information available

**Flashpoint (°C/°F):**  
No information available.

**Flash Point Tested according to:**  
Not available

**Autoignition Temperature (°C/°F):**  
No information available

**Lower Explosion Limit (%):**  
No information available

**Upper Explosion Limit (%):**  
No information available

**Melting point/range(°C/°F):**  
No information available

**Decomposition temperature(°C/°F):**  
>150°C/302°F

**Boiling point/range(°C/°F):**  
No information available

**Bulk density:**  
1100-1200 kg/m<sup>3</sup>

**Density (g/cm<sup>3</sup>):**  
1.44

**Product code:** C7560-2

**Product name:** SODIUM  
METABISULFITE, GRANULAR

5 / 13

**Specific gravity:**  
No information available

**pH:**  
4.3 (1%)

**Vapor pressure @ 20°C (kPa):**  
No information available

**Evaporation rate:**  
No information available

**Vapor density:**  
No information available

**VOC content (g/L):**  
No information available

**Odor threshold (ppm):**  
No information available

**Partition coefficient  
(n-octanol/water):**  
-3.7

**Viscosity:**  
No information available

**Miscibility:**  
No information available

**Solubility:**  
Freely soluble in water  
Solubility in Water: 66.7 g/100 g water  
@ 25 deg. C.; 39.5 wt% @ 20 deg. C;  
41.6 wt% @ 40 deg. C; 44.6 wt% @ 60  
deg. C  
Freely soluble in glycerol  
Slightly soluble in alcohol

## 10. STABILITY AND REACTIVITY

### Reactivity

Contact with moisture or water will release Sulfur dioxide gas

### Chemical stability

**Stability:** Sensitive to air. Sensitive to light. Exposure to light accelerates decomposition. Stable under recommended storage conditions.

**Possibility of Hazardous Reactions:** Hazardous polymerization does not occur

**Conditions to avoid:** Heat. Exposure to air. Exposure to moist air. Exposure to moisture. It is slowly oxidized to sodium sulfate upon exposure to air and moisture. Exposure to light. Incompatible materials.

**Incompatible Materials:**  
Oxidizing agents  
Strong acids  
Strong bases  
Sodium Nitrite  
Moisture

**Hazardous decomposition products:** Sodium oxides. Sulfur oxides. Sodium sulfate. Decomposes on heating with ultimate formation of sodium sulfate.

### Other Information

**Corrosivity:** No information available

**Special Remarks on Corrosivity:** No information available

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

**Principal Routes of Exposure:**  
Inhalation. Ingestion.

### Acute Toxicity

**Product code:** C7560-2

**Product name:** SODIUM  
METABISULFITE, GRANULAR

6 / 13

## Component Information

Sodium Metabisulfite	
CAS-No.	7681-57-4

**LD50/oral/rat** = 1310 mg/kg Oral LD50 Rat  
**LD50/oral/mouse** = No information available  
**LD50/dermal/rabbit** = No information available  
**LD50/dermal/rat** = > 2000 mg/kg  
**LC50/inhalation/rat** = No information available  
**LC50/inhalation/mouse** = No information available  
**Other LD50 or LC50 information** = > 1000 mg/kg dermal LD50 guinea pig

## Product Information

**LD50/oral/rat** =  
**VALUE- Acute Tox Oral** = 1310 mg/kg

**LD50/oral/mouse** =  
**Value - Acute Tox Oral** = No information available

**LD50/dermal/rabbit**  
**VALUE-Acute Tox Dermal** = No information available

**LD50/dermal/rat**  
**VALUE -Acute Tox Dermal** = >2000 mg/kg mg/kg

**LC50/inhalation/rat**  
**VALUE-Vapor** = No information available  
**VALUE-Gas** = No information available  
**VALUE-Dust/Mist** = No information available

**LC50/Inhalation/mouse**  
**VALUE-Vapor** = No information available  
**VALUE - Gas** = No information available  
**VALUE - Dust/Mist** = No information available

## Symptoms

**Skin Contact:** May cause skin irritation.

**Eye Contact:** Causes serious eye irritation. Eye contact may result in redness or pain.

**Inhalation** May cause irritation of the respiratory tract and mucous membranes irritation. Symptoms may include coughing and wheezing.

**Ingestion** Harmful if swallowed. May cause gastrointestinal tract irritation by liberation of Sulfurous Acid. Symptoms may include mouth, throat, stomach, abdominal pain, violent colic, possible gastric hemorrhaging, nausea, vomiting and diarrhea. May affect behavior/central nervous system and cause central nervous system depression/seizures. It may also affect the cardiovascular system (hypotension, tachycardia, cardiovascular collapse). Ingestion of sulfite compounds may cause allergic/hypersensitivity/anaphylactoid reactions in sensitive individuals and some asthmatics. Some asthmatics are said to be sensitive to minute amounts of sulfites in foods. It may cause a worsening of asthma in asthmatics. Individuals sensitive to sulfides may experience stomach upset, tightness in the chest, or wheezing.

**Aspiration hazard** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Chronic Toxicity** Prolonged or repeated inhalation may cause bronchitis with coughing, phlegm, and/or shortness of breath. Prolonged or repeated ingestion may affect the liver, urinary system, and metabolism. Prolonged and repeated ingestion may cause weight loss or anorexia. Prolonged or repeated inhalation may cause asthma-like allergy and asthma attacks with shortness of breath, difficulty breathing, wheezing, coughing, and/or chest tightness. Skin: Sensitizer. May cause allergic skin reaction (allergic contact dermatitis).

**Sensitization:** May cause sensitization by inhalation and skin contact.

**Mutagenic Effects:** No information available

**Carcinogenic effects:** Not classifiable as a human carcinogen. Not classifiable as to its carcinogenicity to humans.

Components	CAS-No.	IARC	ACGIH - Carcinogens	NTP	OSHA HCS - Carcinogens	Australia - Notifiable Carcinogenic Substances	Australia - Prohibited Carcinogenic Substances
Sodium Metabisulfite	7681-57-4	Monograph 54 [1992] Sulfur dioxide and some sulfites bisulfites and metabisulfites	A4 Not Classifiable as a Human Carcinogen	Not listed	Not listed	Not listed	Not listed

*ACGIH (American Conference of Governmental Industrial Hygienists)*

*IARC (International Agency for Research on Cancer)*

*NTP (National Toxicology Program)*

*OSHA (Occupational Safety and Health Administration of the US Department of Labor)*

**Reproductive toxicity** No data is available

**Reproductive Effects:** No information available

**Developmental Effects:** No information available

**Teratogenic Effects:** No information available

**Specific Target Organ Toxicity**

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Target Organs:** No information available.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

**Ecotoxicity effects:** Aquatic environment.

*Sodium Metabisulfite - 7681-57-4*

**Freshwater Algae Data:** 48 mg/L EC50 *Desmodesmus subspicatus* 72 h 40 mg/L EC50 *Desmodesmus subspicatus* 96 h

**Freshwater Fish Species Data:** 32 mg/L LC50 *Lepomis macrochirus* 96 h static 1

**Product code:** C7560-2

**Product name:** SODIUM METABISULFITE, GRANULAR

**8 / 13**



<b>Water Flea Data:</b>	89mg/L EC50 Daphnia magna 48 h
<b>Microtox Data</b>	56 mg/L EC50 Pseudomonas putida 17 h

**Persistence and degradability:** No information available

**Bioaccumulative potential:** No information available.

**Mobility:** No information available.

### 13. DISPOSAL CONSIDERATIONS

#### Disposal Methods

**Waste from residues / unused products:**

Waste must be disposed of in accordance with Federal, State and Local regulation.

**Contaminated packaging:**

Empty containers should be taken for local recycling, recovery or waste disposal. Do not re-use empty containers  
Dispose of as unused product.

Components	CAS-No.	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
Sodium Metabisulfite	7681-57-4	None	None	None	None

### 14. TRANSPORT INFORMATION

**DOT**

**UN-No:** Not Regulated  
**Proper Shipping Name:** No information available  
**Hazard Class:** No information available  
**Subsidiary Class** No information available  
**Packing group:** No information available  
**Emergency Response Guide Number** No information available  
**Marine Pollutant** No data available  
**DOT RQ (lbs):** No information available  
**Special Provisions** No Information available  
**Symbol(s):** No information available  
**Description:** No information available

**TDG (Canada)**

**UN-No:** Not Regulated  
**Proper Shipping Name:** No information available  
**Hazard Class:** No information available  
**Subsidiary Risk:** No information available  
**Packing Group:** No information available  
**Marine Pollutant** No Information available  
**Description:** No information available

**ADR**

**UN-No:** Not Regulated  
**Proper Shipping Name:** No information available  
**Hazard Class:** No information available  
**Packing Group:** No information available  
**Subsidiary Risk:** No information available

**IMO / IMDG**

**Product code:** C7560-2

**Product name:** SODIUM METABISULFITE, GRANULAR

**UN-No:** Not Regulated  
**Proper Shipping Name:** No information available  
**Hazard Class:** No information available  
**Subsidiary Risk:** No information available  
**Packing Group:** No information available  
**Marine Pollutant** No information available

**RID**

**UN-No:** Not Regulated  
**Proper Shipping Name:** No information available  
**Hazard Class:** No information available  
**Subsidiary Risk:** No information available  
**Packing Group:** No information available

**ICAO**

**UN-No:** Not Regulated  
**Proper Shipping Name:** No information available  
**Hazard Class:** No information available  
**Subsidiary Risk:** No information available  
**Packing Group:** No information available

**IATA**

**UN-No:** Not Regulated  
**Proper Shipping Name:** No information available  
**Hazard Class:** No information available  
**Subsidiary Risk:** No information available  
**Packing Group:** No information available  
**ERG Code:** No information available  
**Special Provisions** No information available

**15. REGULATORY INFORMATION**

**International Inventories**

Components	CAS-No.	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	CHINA	Australia (AICS)	EINECS-No.
Sodium Metabisulfite	7681-57-4	PresentACTIVE	Present KE-12701	Present	Present (1)-502	Present	Present	Present 231-673-0

**U.S. Regulations**

*Sodium Metabisulfite*

- Massachusetts RTK: Present
- New Jersey RTK Hazardous Substance List: 1708
- Pennsylvania RTK: Present
- Minnesota - Hazardous Substance List: Present
- California Directors List of Hazardous Substances: Present
- FDA - Food Additives Generally Recognized as Safe (GRAS): 21 CFR 182.3766

**FDA - Direct Food Additives** 21 CFR 173.310  
**FDA - 21 CFR - Total Food Additives** 173.310, 182.3766

**California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.**

**Chemicals Known to the State of California to Cause Cancer:**

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

**Chemicals Known to the State of California to Cause Reproductive Toxicity:**

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Components	CAS-No.	Carcinogen	Developmental Toxicity	Male	Female
------------	---------	------------	------------------------	------	--------

				<b>Reproductive Toxicity</b>	<b>Reproductive Toxicity:</b>
Sodium Metabisulfite	7681-57-4	Not Listed	Not Listed	Not Listed	Not Listed

#### CERCLA/SARA

Components	CAS-No.	CERCLA - Hazardous Substances and their Reportable Quantities	Section 302 Extremely Hazardous Substances and TPQS	Section 302 Extremely Hazardous Substances and RQs	Section 313 - Chemical Category	Section 313 - Reporting de minimis
Sodium Metabisulfite	7681-57-4	None	None	None	None	None

#### U.S. TSCA

Components	CAS-No.	TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)	TSCA 8(d) -Health and Safety Reporting
Sodium Metabisulfite	7681-57-4	Not Applicable	01/26/199406/30/1998

#### Canada

##### WHMIS 2015 - GHS Classifications

WHMIS 2015 Hazard Classification Information:

Component  
Sodium Metabisulfite  
7681-57-4 ( 100 )

WHMIS 2015 Hazard Classification  
Acute toxicity - Oral - Category 4: H302 Harmful if swallowed.;  
Serious Eye Damage/Eye Irritation - Category 2: H319 Causes serious eye irritation.

**Canada Hazardous Products Regulation** This product has been classified according to the hazard criteria of the HPR (Hazardous Products Regulation) and the SDS contains all of the information required by the HPR

##### WHMIS 1988 Hazard Class

Non-controlled

**Components**  
Sodium Metabisulfite

WHMIS 1988  
Uncontrolled product according to WHMIS classification criteria

##### Canada Controlled Products Regulation:

This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulation) and the MSDS contains all of the information required by the CPR.

Components	WHMIS Ingredient Disclosure List -
Sodium Metabisulfite	1 %

#### Inventory

Components	CAS-No.	Canada (DSL)	Canada (NDSL)
Sodium Metabisulfite	7681-57-4	Present	Not Listed

Components	CAS-No.	CEPA Schedule I - Toxic Substances
Sodium Metabisulfite	7681-57-4	Not listed
Components	CAS-No.	CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
Sodium Metabisulfite	7681-57-4	Not listed

#### EU Classification

EU GHS - SV - CLP 1272/2008

Product code: C7560

Product name: SODIUM  
METABISULFITE, GRANULAR

11 / 13

Components	CAS-No.	EU GHS - SV - CLP (1272/2008)
Sodium Metabisulfite	7681-57-4	Acute toxicity - Oral - Acute Tox. 4: H302 Harmful if swallowed. (Minimum classification); Serious Eye Damage/Eye Irritation - Eye Dam. 1: H318 Causes serious eye damage.; Supplemental Hazards: EUH031 Contact with acids liberates toxic gas.016-063-00-2

**EU - CLP (1272/2008)**

**R-phrase(s)**

R22 - Harmful if swallowed.  
R31 - Contact with acids liberates toxic gas.  
R41 - Risk of serious damage to eyes.

**S -phrase(s)**

S 2 - Keep out of the reach of children.  
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S39 - Wear eye/face protection.  
S46 - If swallowed, seek medical advice immediately and show this container or label.

Components	CAS-No.	Classification	Concentration Limits:	Safety Phrases
Sodium Metabisulfite	7681-57-4	Xn; R22 R31 Xi; R41	No information	S: (2)-26-39-46

The product is classified in accordance with Annex VI to Directive 67/548/EEC

**Indication of danger:**

Xn - Harmful.  
Xi - Irritant.



**16. OTHER INFORMATION**

**Preparation Date:** 8/4/2015  
**Revision Date:** 6/13/2021  
**Prepared by:** Regulatory Affairs  
Lab Alley LLC  
Email: customerservice@laballey.com

**Disclaimer:** All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Lab Alley LLC assumes no

responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Lab Alley LLC assumes no responsibility for the completeness or accuracy of the information contained herein.

**End of Safety Data Sheet**