

## **SAFETY DATA SHEET**

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### **SECTION 1: PRODUCT AND COMPANY INFORMATION**

**Product name:** Component M1

**Contact:**

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Baltimore, MD 21205  
Phone: +1 443-869-5420  
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### **SECTION 2: HAZARD IDENTIFICATION**

**GHS classification of the substance/mixture:**

Not a hazardous substance or mixture.

**GHS label elements, including precautionary statements:**

Not a hazardous substance or mixture.

**Other hazards which do not result in the classification or are not covered by the GHS:**

None.

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### **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS SUBSTANCE**

Chemical Name	CAS-No	EINECS-No	Weight %
Sodium selenite	10102-18-8	-	<0.00001

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### **SECTION 4: FIRST AID MEASURES**

**Description of necessary measures.**

Inhalation: Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.

Skin contact: May cause skin irritation. Immediately flush with plenty of water.

Eye contact: May cause eye irritation. Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

Ingestion; No recognized ingestion hazard. If swallowed, drink plenty of water. Get immediate medical attention.

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### **SECTION 5: FIRE-FIGHTING MEASURES**

**Suitable extinguishing media:**

This product is non-flammable. Use water spray, alcohol-resistant foam dry-chemical, or carbon dioxide.

**Specific hazards arising from the substance or mixture:**

Not available.

**Special protective equipment and precautions for firefighters:**

Wear suitable protective clothing to prevent contact with skin and eyes and self-contained breathing apparatus.

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**SECTION 6: ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures:**

For personal protection use safety glasses, lab coat, and gloves.

**Environmental precautions:**

Do not let product enter drains.

**Methods and materials for containment and cleaning up:**

Soak up with inert absorbent material. Dispose contaminated material as waste according to section 13.

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**SECTION 7: HANDLING AND STORAGE****Precautions for safe handling:**

Avoid contact with eyes and skin. No special precautions are necessary if used appropriately.

**Information about protection against explosions and fires:**

No special measures required.

**Conditions for safe storage, including any incompatibilities:**

Store at -20°C until use. Keep container tightly closed in a dry and well-ventilated place.

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure limits:**

Chemical Name	OSHA PEL	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Sodium selenite	0.2 mg/m <sup>3</sup>	none	0.2 mg/m <sup>3</sup>	none

**Engineering measures:**

Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment:**

Hand protection:	Impervious gloves.
Eyes:	Safety goggles or splash guard safety glasses.
Body:	Lab coat and gloves.
Respiratory:	In case of insufficient ventilation, wear suitable respiratory equipment.
Hygiene measures:	Handle in accordance with good industrial hygiene and safety practice.

**Environmental exposure control:**

Prevent product from entering drains.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	Aqueous solution.
Odor:	None.
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash point:	No data available.
Evaporation rate:	No data available.
Flammability (solid, gas):	No data available.
Upper/lower flammability or explosive limits:	No data available.
Vapor pressure:	No data available.
Vapor density:	No data available.
Relative density:	No data available.
Solubility(ies):	No data available.
Partition coefficient: n-octanol/water:	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.
Explosive properties:	No data available.
Oxidizing properties:	No data available.

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**SECTION 10: STABILITY AND REACTIVITY**

Reactivity:	Stable under recommended transport and storage conditions.
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Chemical stability: Stable under recommended storage conditions.  
Possibility of hazardous reactions: Hazardous reaction has not been reported.  
Conditions to avoid: Heat.  
Incompatible materials: Strong oxidizing agents.  
Hazardous decomposition products: None under normal use conditions.

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## SECTION 11: TOXICOLOGICAL INFORMATION

### Acute toxicity:

Chemical Name	LD50 (oral, rat/mouse)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat/mouse)
Sodium selenite	= 7 mg/kg (Rat)	no data available	no data available

### Routes of exposure:

Skin: May cause skin irritation in susceptible persons.  
Eyes: May cause eye irritation with susceptible persons.  
Inhalation: May be harmful by inhalation.  
Ingestion: May be harmful if swallowed.  
Carcinogenic effects: None.  
Mutagenic effects: None.  
Reproductive toxicity: None.  
Sensitization: None.  
Target Organ Effects: No known effects under normal use conditions.

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## SECTION 12: ECOLOGICAL INFORMATION

Toxicity: No data available.  
Ecotoxicity: No data available.  
Bioaccumulative potential: No data available.  
Mobility in soil: No data available.  
Other adverse effects: None.

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## SECTION 13: DISPOSAL INFORMATION

**Disposal methods:** Dispose of waste in accordance to applicable national, regional, or local regulations.

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## SECTION 14: TRANSPORT INFORMATION

**DOT (US)**

Not dangerous goods.

**IMDG**

Not dangerous goods.

**IATA**

Not dangerous goods.

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**SECTION 15: REGULATORY INFORMATION**

Component	TSCA
Sodium selenite 10102-18-8 (<0.00001)	Listed

**US Federal Regulations**
**SARA 313**

This product contains the following toxic chemical(s) subject to the notification requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986. This law requires certain manufacturers to report on annual emissions of specified chemicals and chemical categories. Please note that if you repackage, or otherwise redistribute, this product to industrial customers, a notice similar to this one should be sent to those customers:

Chemical Name	CAS-No	Weight %	SARA 313 – Threshold Values
Sodium selenite	10102-18-8	<0.00001	1.0

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 6)**

This product contains the following HAPs:

Chemical Name	CAS-No	Weight %	HAPS data
Sodium selenite	10102-18-8	<0.00001	Present (including any unique chemical substance that contains Selenium as part of its infrastructure)

**U.S. State Regulations**

Chemical Name	Massachusetts - RTK	New Jersey - RTK	Pennsylvania - RTK	Illinois - RTK	Rhode Island - RTK

Sodium selenite	Listed	-	Listed	Listed	Listed
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**California Proposition 65**

This product does not contain chemicals listed under Proposition 65 chemicals.

**WHMIS hazard class**

Non-controlled.

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR

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**SECTION 16: OTHER INFORMATION**

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