

## SAFETY DATA SHEET

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### SECTION 1: PRODUCT AND COMPANY INFORMATION

**Product name:** Component N

**Contact:**

Elixirgen Scientific, Inc.  
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Baltimore, MD 21205  
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### SECTION 2: HAZARD IDENTIFICATION

**GHS classification**

**Signal Word**

Not hazardous.

**Health Hazard**

Not hazardous.

**Physical Hazards**

Not hazardous.

**Principal Routes of Exposure/Potential Health effects**

**Eyes:** May cause eye irritation with susceptible persons.  
**Skin:** May cause skin irritation in susceptible persons.  
**Inhalation:** May be harmful by inhalation.  
**Ingestion:** May be harmful if swallowed.

**Specific effects**

<b>Carcinogenic effects</b>	none
<b>Mutagenic effects</b>	none
<b>Reproductive toxicity</b>	none
<b>Sensitization</b>	none

**Target Organ Effects** No known effects under normal use conditions.

**HMIS**

Health	0
Flammability	0
Reactivity	0

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

Chemical Name	CAS-No	EINECS-No	Weight %
Ascorbic acid	50-81-7	-	<0.1
Sodium selenite	10102-18-8	-	<0.0001

We recommend handling all chemicals with caution.

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**SECTION 4: FIRST AID MEASURES**

Skin contact:	Rinse cautiously with water for several minutes. If symptoms occur, obtain medical advice.
Eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
Ingestion:	Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Do not induce vomiting without medical advice.
Inhalation:	Remove to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration.
Notes to physician:	Treat symptomatically.

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**SECTION 5: FIRE-FIGHTING MEASURES****Suitable extinguishing media:**

Water spray. Carbon dioxide (CO<sub>2</sub>). Foam. Dry chemical.

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

Carbon oxides

**Special protective equipment and precautions for fire-fighters:**

Wear self-contained breathing apparatus and protective suit.

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

Use personal protection equipment.

**Environmental precautions:**

Prevent further leakage or spillage if safe to do so.

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

Soak up with inert absorbent material.

## SECTION 7: HANDLING AND STORAGE

### Precautions for safe handling:

Always wear recommended Personal Protective Equipment. No special handling advice is necessary.

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

Keep in a dry, cool and well-ventilated place.

## 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: Wear suitable gloves Glove material: Compatible chemical-resistant gloves.

Eyes: Wear safety glasses with side shields (or goggles).

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.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Form: Liquid.

Odor: No data available.

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.

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## SECTION 10: STABILITY AND REACTIVITY

Reactivity:	No data available.
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Light.
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)
Ascorbic acid	= 11,900 mg/kg (Rat)	no data available	no data available
Sodium selenite	= 7 mg/kg (Rat)	no data available	no data available

### Skin corrosion/irritation

May cause skin irritation in susceptible persons

### Serious eye damage/eye irritation

May cause eye irritation with susceptible persons

### Respiratory or skin sensitisation

No data available

### Germ cell mutagenicity

#### Ascorbic acid

Mouse

Liver

Other mutation test systems

Mouse

Micronucleus test

### **Carcinogenicity**

#### Ascorbic acid

- IARC: No component of this product present at levels greater than or equal to 0.1% identified as probable, possible or confirmed human carcinogen by IARC.
- ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
- NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
- OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

### **Reproductive toxicity**

No data available

### **Specific target organ toxicity - single exposure**

No data available

### **Specific target organ toxicity - repeated exposure**

No data available

### **Aspiration hazard**

No data available

### **Additional Information**

#### Ascorbic acid

RTECS: CI7650000

Chronic ingestion of large doses may cause gastrointestinal disturbances including nausea and diarrhea, urinary effects involving urine acidification, oxalate and uric crystallization in the bladder and kidney, and decreased reaction times and psychomotor coordination.

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## **SECTION 12: ECOLOGICAL INFORMATION**

- Ecotoxicity effects: No information available.
- Mobility: No information available.
- Biodegradation: Inherently biodegradable.
- Bioaccumulation: No information available.

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## **SECTION 13: DISPOSAL INFORMATION**

Disposable waste should be done in accordance with federal, state, and local regulations.

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## **SECTION 14: TRANSPORT INFORMATION**

**IATA:**

Proper shipping name: Not classified as dangerous in the meaning of transport regulations  
 Hazard class: none  
 Subsidiary Class: none  
 Packing group: none  
 UN-No: none

**SECTION 15: REGULATORY INFORMATION**

Component	TSCA
Sodium selenite 10102-18-8 (<0.0001)	Listed

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

This product contains the following toxic chemical(s) subjected to the notification requirements of section 313 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	<0.0001	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	<0.0001	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
Ascorbic acid	-	Listed	Listed	-	-
Sodium selenite	Listed	-	Listed	Listed	Listed

**California Proposition 65**

This product contains the following Proposition 65 chemicals.

**WHMIS hazard class**

Non-controlled.

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**SECTION 16: OTHER INFORMATION****Other comments:**

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