

SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY INFORMATION

Product name: Component N

Contact:

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SECTION 2: HAZARD IDENTIFICATION

GHS classification

Signal Word

Not hazardous.

Health Hazard

Not hazardous.

Physical Hazards

Not hazardous.

Principle 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

Carcinogenic effects	none
Mutagenic effects	none
Reproductive toxicity	none
Sensitization	none

Target Organ Effects No known effects under normal use conditions.

HMIS

Health	0
Flammability	0
Reactivity	0

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.

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.

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

Water spray. Carbon dioxide (CO₂). 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.

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 advices are 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 ³	none	0.2 mg/m ³	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.

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.

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.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity effects: No information available.

Mobility: No information available.

Biodegradation: Inherently biodegradable.

Bioaccumulation: No information available.

SECTION 13: DISPOSAL INFORMATION

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

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 manufacture 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 following Proposition 65 chemicals.

WHMIS hazard class

Non-controlled.

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

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