



# Material Safety Data Sheet

## N2 SF Supplement, 100X

### 1. IDENTIFICATION OF THE PREPARATION/SUBSTANCE AND OF THE COMPANY

Preparation Name: N2 SF Supplement, 100X  
Catalogue number of the product: CC529-0005  
Use of the preparation:  
For laboratory use.  
Company identification:  
GeneDireX, Inc.  
Website: <http://www.genedirex.com>

### 2. COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Name	CAS- No	EINECS- No	Weight %
Sodium selenite	10102-18-8	-	0.0001 - 0.001

The product contains no substances which at their given concentration, are considered to be hazardous to health.

### 3. HAZARDS IDENTIFICATION

GHS - Classification	
Signal Word	None
Hazard pictograms	None
Health hazards	Not Hazardous
Physical hazards	Not Hazardous
Environmental hazards	Not Hazardous
Hazard Statements	Not Applicable
Precautionary Statements	
Prevention	Not Applicable
Response	Not Applicable
Storage	Not Applicable
Disposal	Not Applicable
Other hazards	Not Applicable
HMIS	
Health	0
Flammability	0
Reactivity	0

### 4. FIRST-AID MEASURES

Ingestion	Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.	
Inhalation	Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.	
Skin contact	R Rinse with plenty of water . Immediate medical attention is not required.	
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Notes to Physician Treat symptomatically.	
Most important symptoms and effects, both acute and delayed		Not Applicable.
Indication of any immediate medical attention and special treatment needed		None.



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## 5. FIRE-FIGHTING MEASURES

Extinguishing media  
 Suitable extinguishing media Water spray. Carbon dioxide (CO<sub>2</sub>). Foam. Dry chemical.  
 Unsuitable extinguishing media No information available.  
 Special hazards arising from the substance or mixture Not known.  
 Advice for fire-fighters Standard procedure for chemical fires.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions:  
 Ensure adequate ventilation. Always wear recommended Personal Protective Equipment. Use personal protection equipment. See Section 8 for more detail.  
 Methods and material for containment and cleaning up Soak up with inert absorbent material.  
 Environmental precautions:  
 No special environmental precautions required.  
 Reference to other sections  
 See section 8 for more information.

## 7. HANDLING AND STORAGE

Precautions for safe handling  
 Use personal protective equipment as required.  
 Conditions for safe storage, including any incompatibilities  
 Keep in a dry, cool and well-ventilated place. Keep in properly labeled containers.  
 Specific end use(s)  
 For research use only.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters	OSHA PEL	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Chemical Name				
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  
 Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.  
 Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.  
 Hand protection Wear suitable gloves Glove material: Compatible chemical-resistant gloves.  
 Eye protection Tight sealing safety goggles  
 Skin and Body Protection Wear suitable protective clothing  
 Hygiene measures Handle in accordance with good industrial hygiene and safety practice.  
 Environmental exposure controls No special environmental precautions required.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

General information  
 Appearance liquid  
 Odor No information available  
 pH 6-8  
 Boiling point / boiling range °C Mixture has not been tested °F Mixture has not been tested  
 Melting point / melting range °C Mixture has not been tested °F Mixture has not been tested



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flash point	°C Mixture has not been tested	°F Mixture has not been tested
Autoignition Temperature	°C Mixture has not been tested	°F Mixture has not been tested
Decomposition temperature	°C Mixture has not been tested	°F Mixture has not been tested
Evaporation rate	No data available	
Flammability (solid, gas)	No data available	
Upper explosion limit	Mixture has not been tested	
Lower explosion limit	Mixture has not been tested	
Vapor Pressure	Mixture has not been tested	
Relative density	Mixture has not been tested	
Specific gravity	No data available	
Solubility	No data available	
Partition coefficient: n-octanol/water	No data available	
Explosive properties	Mixture has not been tested	
Other information	No data available	
Oxidizing properties	No information available	
Water solubility	soluble	

## 10. STABILITY AND REACTIVITY

Reactivity	None known.
Stability	Stable under normal conditions.
Possibility of hazardous reactions	Hazardous reaction has not been reported.
Materials to avoid	No information available.
Incompatible materials	No dangerous reaction known under conditions of normal use.
Hazardous decomposition products	No data available.

## 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

Principle Routes of Exposure	
Irritation	Conclusive but not sufficient for classification
Corrosivity	Conclusive but not sufficient for classification
Sensitization	Conclusive but not sufficient for classification
STOT - Single Exposure	Conclusive but not sufficient for classification
STOT - Repeated Exposure	Conclusive but not sufficient for classification
Carcinogenicity	Conclusive but not sufficient for classification
Mutagenicity	Conclusive but not sufficient for classification
Reproductive toxicity	Conclusive but not sufficient for classification
Aspiration hazard	Conclusive but not sufficient for classification

## 12. ECOLOGICAL INFORMATION

Ecotoxicity					
Chemical Name	Freshwater Algae Data	Water Flea Data	Freshwater Fish Species Data	Microtox Data	log Pow
Sodium selenite	No data available	No data available	No data available	No data available	No data available



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Persistence and degradability	No information available.
Bioaccumulative potential	No information available.
Results of PBT and vPvB assessment	Not Applicable.
Other adverse effects	No information available.

### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in according to approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations.

### 14. TRANSPORT INFORMATION

IATA / ADR / DOT-US / IMDG	Not regulated in the meaning of transport regulations.
UN number	Not Applicable
UN proper shipping name	Not Applicable
Transport hazard class(es)	
Packing group	Not Applicable
Environmental hazards	Not Applicable
Special precautions for user	Not Applicable
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not Applicable.

### 15. REGULATORY INFORMATION

TSCA	Component
Sodium selenite 10102-18-8 (<0.00011)	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	<0.00011	1.0

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)  
This product contains the following HAPs:

Chemical Name	CAS-No	Weight %	HAPS dat
Sodium selenite 10102-18-8 ( <0.00011 )	10102-18-8	<0.00011	Present (including any unique chemical substance that contains Selenium as part of its infrastructure)

#### US State Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
	- RTK	- RTK	- RTK	- RTK	- RTK
Sodium selenite	Listed	-	Listed	Listed	Listed



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California Proposition 65

This product does not contain any Proposition 65 chemicals.

WHMIS Hazard Class

Non-controlled

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

## **16. OTHER INFORMATION**

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. GeneDireX, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.