Safety Data Sheet

OneMEDIUM

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

Preparation Name: OneMEDIUM
Catalogue number of the product: CC817-0500、CC817-0100
Use of the preparation:
For laboratory use.
Company identification:
Genedirex, Inc.
Site: http://www.genedirex.com

2. HAZARDS IDENTIFICATION

IGHS - Classification

Signal Word	None
Hazard pictograms	None
Health 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

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Component	CAS-No	EINECS-No	Weight %
Ammonium meta-Vanadate	7803-55-6	-	<0.01
Sodium selenite	10102-18-8	-	<0.00011

4. FIRST-AID MEASURES

Skin contact	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. Continue rinsing.
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.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media — Water spray. Carbon dioxide (CO_2). Foam. Dry chemical.
Special hazards arising from the substance or mixture — Not known
Protective equipment and precautions for firefighters
Standard procedure for chemical fires.

6. ACCIDENTAL RELEASE MEASURES

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

7. HANDLING AND STORAGE

Precautions for safe handling
Use personal protective equipment as required. No special handling advices are necessary.
Conditions for safe storage, including any incompatibilities
Keep in a dry, cool and well-ventilated place. Keep in properly labelled containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Chemical Name	OSHA PEL	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Ammonium meta-Vanadate	0.2 mg/m³	None	0.2 mg/m³	None
Sodium selenite	0.2 mg/m³	None	0.2 mg/m³	None

Engineering measures Ensure adequate ventilation, especially in confined areas
Exposure controls
Personal protective equipment
Respiratory protection In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.
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

Information on basic physical and chemical properties

Appearance	Liquid	
Odour	No data available	
pH	No data available	
Melting point / melting range	°C Mixture has not been tested	°F Mixture has not been tested
Boiling point / boiling range	°C Mixture has not been tested	°F Mixture has not been tested
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	
Vapour pressure	Mixture has not been tested	
Relative density	Mixture has not been tested	
Specific gravity	No data available	
Solubility	No data available	
Partition coefficient	No data available	
n-octanol/water Explosive properties	Mixture has not been tested	
Other information	No data available	

10. STABILITY AND REACTIVITY

Reactivity None known.
Chemical stability Stable under normal conditions.
Possibility of hazardous reactions Hazardous reaction has not been reported.
Conditions 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

Information on toxicological effects

Chemical Name	LD50 (oral,rat/mouse)	LD50 (dermal,rat/rabbit)	LC50 (inhalation,rat/mouse)
Ammonium meta-Vanadate	= 58.1 mg/kg (Rat)	2102 mg/kg (Rat)	7800μg/m³ (Rat)
Sodium selenite	= 7 mg/kg (Rat)	No data available	No data available

Principal Routes of Exposure

Skin corrosion/irritation	Conclusive but not sufficient for classification
Serious eye damage/irritation	Conclusive but not sufficient for classification
Respiratory or skin sensitization	Conclusive but not sufficient for classification
Specific target organ toxicity (STOT)–single exposure	Conclusive but not sufficient for classification
Specific target organ toxicity (STOT)–repeated exposure	Conclusive but not sufficient for classification
Carcinogenicity	Conclusive but not sufficient for classification
Germ cell 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

Toxicity

The environmental impact of this product has not been fully investigated.

Chemical Name	Freshwater Algae Data	Water Flea Data	Freshwater Fish Species Data	Microtox Data	log Pow
Ammonium meta-Vanadate	No data available	No data available	No data available	No data available	No data available
Sodium selenite	No data available	No data available	No data available	No data available	No data available

Persistence and degradability No information available.
Bioaccumulative potential No information available.
Results of PBT and vPvB assessment
This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
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) Not Applicable
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

Component	US TSCA
Ammonium meta-Vanadate	Listed
Sodium selenite	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
Ammonium meta-Vanadate	7803-55-6	<0.01	1.0
Sodium selenite	10102-18-8	<0.00011	1.0

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

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

US State Regulations
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 SDS 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.