

SAFETY DATA SHEET:

ReproNSC Medium Kit



1. IDENTIFICATION

1.1. Product Name	ReproNSC Medium Kit
1.2. Catalog Number	00-0077
1.3. Uses and restrictions	For research use only. Not for use in therapeutic or diagnostic applications
1.4. Manufacturer/Supplier	Manufacturer: XCell Science 5 Hamilton Landing, Suite 160C Novato, CA 94949 USA Supplier: REPROCELL, Inc. 9000 Virginia Manor Road, Suite 207 Beltsville, MD 20705 USA
1.5. In Case of Emergency	<ul style="list-style-type: none">• For medical emergencies, contact your local emergency center.• For transportation emergencies, contact your local transportation authorities.• For other non-medical or environmental emergencies please call (617) 245-0030, 8:00 am-4:00 pm EST, Monday – Friday.

2. HAZARDS IDENTIFICATION

2.1. GHS Classification according to Annex II	Not a hazardous substance or mixture
2.2. Signal Word	Not applicable
2.3. Symbol	Not applicable
2.4. Hazard Statement(s)	Not applicable
2.5. Precautionary Statement(s)	Not applicable
2.6. Hazards not otherwise classified (HNOC) or not covered by GHS	None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	EINECS-NO.	Weight %
Ammonium meta-Vanadate	7803-55-6	232-61-2	<0.01
Cadmium compounds	NA	NA	<0.01
Copper compounds, inorganic	NA	NA	<0.01
Barium compounds	NA	NA	<0.01
Tin compounds, inorganic	NA	NA	<0.01



Silver compounds, inorganic	NA	NA	<0.01
Selenium compounds,	NA	NA	<0.01
Zinc compounds, inorganic	NA	NA	<0.01

4. FIRST AID MEASURES

4.1 First Aid Instructions

- General Advice
Move out of exposure area. Consult a physician.
- Eyes
Flush thoroughly with water for at least 15 minutes. Call a physician.
- Skin
Immediately flush skin with copious amounts of water, followed by washing with soap and copious amounts of water. Remove contaminated clothing and shoes and wash before use. Should irritation occur, contact a physician.
- Ingestion
If person is unconscious, seek emergency medical attention. Never give anything by mouth to an unconscious person. If the person is conscious, wash mouth out with copious amounts. Call a physician, then administer 3 cups of water. Do not induce vomiting unless directed by a physician.
- Inhalation
If inhaled, remove person to fresh air. IF not breathing, give artificial respiration. Call a physician.
- Puncture wounds
Wash thoroughly with soap and water. Allow wound to bleed freely. Contact a physician.

4.2 Most important Symptoms/Effects, acute and immediate

Described in Section 2.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

5. FIRE FIGHTING MEASURES

5.1. Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical, Halon (where regulations permit), or carbon dioxide.

5.2 Specific hazards arising from the chemical

Responders should take into consideration the biohazard risk associated with responding to a fire in the area where the material may be stored or handled.

5.3 Special protective equipment and precautions for firefighters

Wear self-contained breathing apparatus and full turnout gear for firefighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment, and emergency procedures

Use personal protective equipment (see section 8.) Avoid direct contact with skin or eyes and prevent inhalation of dust. Ensure adequate ventilation.

6.2 Environmental precautions

Do not let product enter drain, if safe to do so.

6.2 Methods and materials for containment and clean up.

Absorb spill, sweep up, place in a bag, and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.



7. HANDLING AND STORAGE

7.1. Precautions for safe handling

- Avoid inhalation or contact with eyes, skin, and clothing.
- Avoid prolonged or repeated exposure.
- Provide appropriate exhaust ventilation at places where dust is formed.
- For other precautions, see section 2.5.

7.2. Conditions for safe storage, including any incompatibilities

Keep tightly closed. Store according to instructions on product information sheet and label.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

No known occupational exposure limit values.

8.2 Appropriate engineering controls

Safety shower and eye bath. Mechanical exhaust required.

8.3 Protection measures and Personal Protective Equipment

- Respiratory Protection

Respirator not required. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks.

- Eye protection
- Skin protection

Chemical safety goggles.

Protective gloves, moisture impervious apron, and lab coat.

9. PHYSICAL/CHEMICAL PROPERTIES

9.1 Appearance:

Transparent liquid

9.2 Odor:

None

9.3 Odor threshold

No data available.

9.4 pH

7.0-7.3

9.5 Melting point/freezing point

sd

9.6 Initial boiling point and boiling range

No data available.

9.7 Flashpoint

No data available.

9.8 Evaporation rate

No data available.

9.9 Flammability (solid, gas)

No data available.

9.10 Upper/lower flammability or explosive limit

No data available.

9.11 Vapor pressure

No data available.

9.12 Vapor density

No data available.

9.13 Relative density

No data available.

9.14 Solubility

Water.

9.15: Partition coefficient, n-octanol/water

No data available.

9.16 Autoignition temperature

No data available.

9.17 Decomposition temperature

No data available.

9.18 Viscosity

No data available.



- 9.19 Explosive properties No data available.
9.20 Oxidizing properties No data available.

10. STABILITY/REACTIVITY

- 10.1 Reactivity No data available.
10.2 Chemical stability This product is stable
10.3 Possibility of hazardous reactions Hazardous polymerization will not occur.
10.4 Conditions to avoid No data available.
10.5 Incompatible materials Strong oxidizing agents, acids, and bases
10.6 Hazardous decomposition products None under normal use.

11. TOXICOLOGICAL INFORMATION

- 11.1 Toxicological effects:
- Acute toxicity Ammonium meta-Vanadate: LD50: 58.1 mg/kg (oral, rat); 2102 mg/kg (dermal, rat); 7800 µg/m³ (inhalation, rat/mouse).
 - Skin corrosion/irritation May cause skin irritation in susceptible persons.
 - Serious eye damage/eye irritation. May cause eye irritation in susceptible persons.
 - Respiratory or skin irritation No data available.
 - Germ cell mutagenicity No data available.
 - Carcinogenicity
 - IARC: No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen.
 - ACGIH: No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.
 - NTP: No components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen.
 - OSHA: No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.
 - 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.
- 11.2 Symptoms related to the physical, chemical, and toxicological characteristics No data available.
- 11.3 Effects of short-term exposure No data available.
- 11.4 Effects of long-term exposure No data available.
- 11.5 Numerical measures of toxicity No data available.
- 11.6 Other information None.



12. ECOLOGICAL INFORMATION

12.1 Toxicity	No data available.
12.2 Persistence and degradability	No data available.
12.3 Bioaccumulative potential	No data available.
12.4 Mobility in soil	No data available.
12.5 Results of PBT and vPvB assessment	No data available.
12.6 Other adverse effects	No data available.

13. DISPOSAL CONSIDERATIONS

13.1 Disposal method	Waste must be disposed of in accordance with federal, state, and local environmental control regulations, taking into account any biohazard associated with other reagents used in procedure.
13.2 Personal safety	Refer to section 8.

14. TRANSPORT INFORMATION

This product is considered non-hazardous for transport.

15. REGULATORY INFORMATION

U.S. Federal Regulations	
<ul style="list-style-type: none"> SARA 313 components 	This material does not contain any chemical components with known CAS numbers that exceed the threshold (<i>De Minimis</i>) reporting levels.
<ul style="list-style-type: none"> SARA 302 components 	Does not contain any components subject to reporting.
<ul style="list-style-type: none"> SARA 311/312 Hazards 	Not hazardous.
<ul style="list-style-type: none"> Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see CFR 61) 	Does not contain any components subject to reporting.
U.S. State Regulations	
<ul style="list-style-type: none"> California Proposition 65 	Does not contain any components subject to reporting.
<ul style="list-style-type: none"> Massachusetts Right To Know Components 	Does not contain any components subject to reporting.
<ul style="list-style-type: none"> Pennsylvania Right To Know Components 	Does not contain any components subject to reporting.
<ul style="list-style-type: none"> New Jersey Right To Know Components 	Does not contain any components subject to reporting.
WHMIS Hazard Class	Not controlled under WHMIS (Canada.)
Chemical Safety Assessment	A Chemical Safety Assessment has not been made for this product.
This safety datasheet complies with the requirements of Regulation (EC) No. 453/2010.	

16. OTHER INFORMATION

Notice	The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with
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regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Stemgent, Inc. shall not be held liable for any damage resulting from handling or from contact with the product. See REPROCELL, Inc. website for terms and conditions of sale.

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1.0

Prepared By

Quality Control

END OF SAFETY DATA SHEET

