

SAFETY DATA SHEET:

Stemgent® NM-RNA Products



1. IDENTIFICATION

1.1. Product Name	This data sheet contains safety information for Stemgent® NM-RNA products.
1.2. Catalog Number	05-0040, 05-0041, 05-0042
1.3. Uses and restrictions	For research use only. Not for use in diagnostic or therapeutic applications
1.4. Manufacturer/Supplier	REPROCELL USA 9000 Virginia Manor Road Beltsville, MD 20705 301-470-3362
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 non-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

3.1 Chemical name	Stemgnet NM-RNA
3.2 Synonyms	Not applicable
3.3 Chemical formula	Not applicable
3.4 Molecular weight	Not applicable
3.5 CAS number	Not applicable

4. FIRST AID MEASURES

4.1 First aid instructions	
<ul style="list-style-type: none">• General advice• Eyes• Skin	<p>Move out of exposure area. Consult a physician.</p> <p>Check for and remove contact lenses immediately. Flush thoroughly with water for at least 15 minutes. Call a physician.</p> <p>Immediately flush skin with copious amounts of water. Remove contaminated clothing and shoes and wash before use. Contact a physician</p>



- Ingestion
If swallowed, wash mouth out with water provided the victim is conscious. Do not induce vomiting. Loosen tight clothing. Contact a physician.
 - Inhalation
If inhaled, remove victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, call a physician.
- 4.2 Most important symptoms/effects, acute and immediate
Described in section 2.
- 4.3 Indications of 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, or carbon dioxide.
- 5.2 Specific hazards arising from the chemical
Carbon oxides, nitrogen oxides, hydrogen chloride gas
- 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
Wear protective equipment (Section 8). Avoid direct contact with skin or eyes and prevent inhalation of dust. Ensure adequate ventilation.
- 6.2 Environmental precautions
No special environmental precautions required..
- 6.3 Methods and materials for containment and clean up
Keep in suitable, closed containers for disposal. Use absorbent, non-reactive material to contain liquid spill. Dispose of absorbent material used to clean spills in accordance with federal, state, and local environmental control regulations.

7. HANDLING AND STORAGE

- 7.1. Precautions for safe handling
- Avoid inhalation, contact with eyes, skin, and clothing.
 - Wear gloves when handling product
 - Keep in well ventilated area
 - For other precautions see section 2.5.
- 7.2. Conditions for safe storage, including any incompatibilities
Store at -70°C. Use RNase free reagents, tubes, and barrier pipette tips. Avoid multiple freeze-thaw cycles.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters
No known occupational exposure limits.
- 8.2 Appropriate engineering controls
Safety shower and eye wash. Mechanical exhaust required.
- 8.3 Protection measures and personal protective equipment
Handle in accordance with good industrial hygiene and safety practices. Wash thoroughly after handling.
- Respiratory protection
Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).



- Eye protection
- Skin protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) particle respirator.

Chemical safety goggles.

Protective gloves and lab coat.

9. PHYSICAL/CHEMICAL PROPERTIES

9.1 Appearance	Frozen liquid
9.2 Odor	No data available.
9.3 Odor threshold	No data available
9.4 pH	No data available.
9.5 Melting point / freezing point	No data available.
9.6 Initial boiling point and boiling range	No data available.
9.7 Flash point	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 limits	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(ies)	No data available.
9.15 Partition coefficient: n-octanol/water	No data available.
9.16 Auto-ignition 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 under recommended storage conditions.
10.3 Possible of hazardous reactions	No data available.
10.4 Conditions to avoid	No data available.
10.5 Incompatible materials	No data available.
10.6 Hazardous decomposition products	No data available.

11. TOXICOLOGICAL INFORMATION

11.1 Toxicological effects	No data available.
• Acute toxicity	No data available.
• Skin corrosion / irritation	No data available.



• Serious eye damage / eye irritation	No data available.
• Respiratory or skin sensitization	No data available.
• Germ cell mutagenicity	No data available.
• Carcinogenicity	<ul style="list-style-type: none"> • IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen. • ACGIH: No component 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 the product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen. • OSHA: No component 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	Unused product and waste must be disposed of in accordance with federal, state, and local environmental control regulations.
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

- SARA 313 components
- SARA 302 components
- SARA 311/312 Hazards
- Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see CFR 61)

U.S. State Regulations

- California Proposition 65
- Massachusetts Right To Know Components
- Pennsylvania Right To Know Components
- New Jersey Right To Know Components

WHMIS Hazard Class

Regulation (EC) No 1272/.2008 (EU-GHS/CLP)

Directive 67/548/EC & Directive 1999/45/EC

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels.

Does not contain any components subject to reporting.

Not hazardous.

Does not contain any components subject to reporting.

Does not contain any components subject to reporting.

Does not contain any components subject to reporting.

Does not contain any components subject to reporting.

Does not contain any components subject to reporting.

Not controlled under WHMIS (Canada).

Not hazardous

Not hazardous

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 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 Stemgent, Inc. website for terms and conditions of sale.

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2.0

Prepared By

Quality Control

END OF SAFETY DATA SHEET

