1. IDENTIFICATION
   1.1. Product Name
   Stemgent® OKSiM-srRNA
   1.2. Catalog Number
   05-0038
   1.3. Uses and restrictions
   For research use only. Not for use in diagnostic or therapeutic applications
   1.4. Manufacturer/Supplier
   Stemgent, Inc.
   51 Moulton St.
   Cambridge, MA 02138 USA
   (617) 245-0000
   1.5. In Case of Emergency
   • 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. Classification
   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
   Not available.
   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
   • General Advice
     Move out of exposure area. Consult a physician.
   • Eyes
     Check for and remove contact lenses immediately and flush thoroughly with water for at least 15 minutes. Call a physician.
   • Skin
     Immediately flush skin with copious amounts of water. Remove contaminated clothing and shoes and wash before use. Contact a physician.
   • Ingestion
     If swallowed, wash mouth out with water provided person is conscious. Do not induce vomiting. Loosen tight clothing. Contact a physician.
   • Inhalation
     If inhaled, remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, call a physician.
4.2. Most Important Wounds
Symptoms/effects, acute and immediate
4.3. Indications of immediate medical attention and special treatment needed

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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
No data available.
5.3. Special protective equipment and precautions for fire-fighters
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 gas, vapors, mist, or 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 this 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 freezing and thawing cycles.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION
8.1. Control Parameters
No known occupational exposure limits values.
8.2. Appropriate engineering controls
Safety shower and eye bath. 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
  Respiratory protection is not required. Where protection from nuisance exposure is desired use type OV/AG (US) or type ABEK (EU EN 14387) respiratory cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

• Eye Protection
• Skin Protection
  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.
  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.
10.3. Possibility 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

- 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: No data available.

- 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.

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
  This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels.
- SARA 302 components
  Does not contain any components subject to reporting.
- SARA 311/312 Hazards
  Not hazardous.
- Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see CFR 61)
  Does not contain any components subject to reporting.

U.S. State Regulations
- California Proposition 65
  Does not contain any components subject to reporting.
- Massachusetts Right To Know Components
  Does not contain any components subject to reporting.
- Pennsylvania Right To Know Components
  Does not contain any components subject to reporting.
- New Jersey Right To Know Components
  Does not contain any components subject to reporting.

WHMIS Hazard Class
Not controlled under WHMIS (Canada).

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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Prepared by
Quality Control

END OF SAFETY DATA SHEET