

SRFC BIO, INC.

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identity: RS

Recommended use: Disinfectant, Sanitizer, Residual Sanitizer, 24-hour Sanitizer

Restrictions on Use: None known.

Supplier: SRFC Bio, Inc.
1700 N Kickapoo St
PO Box 3399
Shawnee, OK 74804

Emergency Phone: 405-833-7124 (M-F 9AM-5PM Central Time)

2. HAZARDS IDENTIFICATION

GHS Classification:

Physical:	Health:	Environmental
Not classified as hazardous	Eye Irritation Category 2B Skin Sensitizer Category 1B	Not classified as hazardous

GHS Label Elements:



Signal Word: Warning

Hazard Statements: Causes eye irritation. May cause an allergic skin reaction.

Precautionary Statements:

Prevention:

Wash thoroughly after handling. Avoid breathing mists and vapors. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves.

Response:

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

If on skin: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Storage:

Not applicable.

Disposal:

Dispose of contents and container in accordance with local and federal regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Amount (%)
n-Alkyl (50% C14, 40% C12, 10% C16) Dimethyl Benzyl Ammonium Chloride	68424-85-1	0.14 – 0.18
Didecyl dimethyl ammonium chloride	7173-51-5	0.22 – 0.26
Other Ingredients	Mixture	Balance

4. FIRST AID MEASURES

Eye: If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Skin: Wash skin with soap and water. Get medical attention if irritation persists or rash develops.

Ingestion: Do not induce vomiting. Get medical attention.

Inhalation: Move person to fresh air. Get medical attention if symptoms develop or irritation persists.

Most important Symptoms: Causes eye irritation. Swallowing may cause gastrointestinal irritation. May cause an allergic skin reaction.

Indication of immediate medical attention/special treatment: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For medical emergencies, call the poison control center at 1-800-222-1222. For general information on this product, contact the National Pesticides Information Center (NPIC) at 1-800-858-7378, Monday through Friday, 8 AM to 12 PM PST, or at <http://npic.orst.edu>.

5. FIRE FIGHTING MEASURES

Suitable (and Unsuitable) Extinguishing Media: Use any extinguishing media that is suitable for the surrounding fire.

Specific hazards arising from the chemical: Not classified as flammable or combustible. Thermal decomposition may produce oxides of carbon, silicon and nitrogen and chlorine compounds.

Special Protective Equipment and Precautions for Fire-Fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for all fires involving chemicals. Cool fire exposed containers with water spray. Do not allow run-off from firefighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures: Evacuate spill area and keep unprotected personnel away. Avoid breathing mists. Avoid contact with the eyes or clothing. Avoid prolonged contact with skin and clothing. Wear appropriate protective clothing.

Methods and Materials for Containment and Cleaning Up: Contain and collect using inert absorbent materials and place in appropriate containers for disposal. Do not flush to sewer. Report releases as required by local, state and federal authorities.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with eyes, skin and clothing. Avoid breathing mists. Wear appropriate protective clothing and equipment. Use with adequate ventilation. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Keep containers closed when not in use.

Conditions for Safe Storage, Including Any Incompatibilities: Do not contaminate water, food or feed by storage or disposal. Store out of reach of children or people unfamiliar with its use. Store pesticides away from food and pet food. Keep the container closed when not in use. Protect pesticide containers from extreme heat and cold.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines:

n-Alkyl (50% C14, 40% C12, 10% C16) Dimethyl Benzyl Ammonium Chloride	None Established
Didecyl dimethyl ammonium chloride	None Established

Engineering Controls: Use general room ventilation. Local exhaust ventilation may be used in areas where misting could occur or in confined spaces.

Personal Protective Equipment: Follow standard hygiene practices. Refer to the product label for specific requirements when used as a registered pesticide.

Respiratory Protection: Not typically required. In situations with extended exposure to mist in enclosed or poorly ventilated areas, use appropriate protection for airborne particles.

Skin Protection: Protective gloves may be used if prolonged or repeated skin contact is expected. No special protection is needed for incidental or short-term contact.

Eye Protection: No special protection is needed under normal use conditions. Use safety eyewear if splashing is likely.

Other: Protective clothing is generally not required but may be worn to prevent contamination of personal clothing during extended use or handling of large volumes.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Clear and colorless liquid; Detergent and soapy odor

Physical State: Liquid	Odor Threshold: Not Determined
Vapor Density: Same as water	Initial Boiling Point/Range: Not Determined
Solubility in Water: Soluble	Vapor Pressure: Same as water
Relative Density: 0.998 at 22°C	Evaporation Rate: Same as water
Melting/Freezing Point: Not Determined	pH: 4.4
VOC Content: Not Determined	Octanol/Water Coefficient: Not Determined
Viscosity: 1.20 cSt at 20°C 0.79 cSt at 40°C	Decomposition Temperature: Not determined
Flashpoint: >100°C (>212°F)	Flammability (solid, gas): Not applicable
Flammable Limits: LEL: Not applicable UEL: Not applicable	Autoignition Temperature: Not applicable

10. STABILITY AND REACTIVITY

Reactivity: Not normally reactive.

Chemical Stability: Stable under normal storage and handling conditions.

Possibility of Hazardous Reactions: None known.

Conditions to Avoid: None known.

Incompatible Materials: Strong oxidizers.

Hazardous Decomposition Products: Thermal decomposition yields oxides of nitrogen, carbon and silicon and chlorine compounds.

11. TOXICOLOGICAL INFORMATION

HEALTH HAZARDS:

Eye: Causes eye irritation.

Skin: May cause an allergic skin reaction.

Ingestion: Swallowing may cause mild irritation to the mouth and intestinal tract.

Inhalation: Inhalation of mists may cause mild mucous membrane and respiratory irritation.

Chronic: None known.

Sensitization: Local Lymph Node Assay (Mice): EC3 = 38.7% ; Stimulation Index (SI) = ≥ 3

Carcinogenicity: None of the components are listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.

Germ Cell Mutagenicity: Components are not germ cell mutagens.

Reproductive Toxicity: Components are not reproductive toxins.

Numerical Measures of Toxicity:

Oral Toxicity: LD₅₀ = >5000 mg/kg (rats) (tested substance)

Dermal Toxicity: LD₅₀ = >5050 mg/kg (rats) (tested substance)

Inhalation Toxicity: LC₅₀ = > 5.05 mg/l (4 hours) (rats) (tested substance)

12. ECOLOGICAL INFORMATION

Ecotoxicity: Very toxic to aquatic organisms with long lasting effects. Releases to the environment should be avoided.

n-Alkyl (50% C14, 40% C12, 10% C16) Dimethyl Benzyl Ammonium Chloride and Didecyl dimethyl ammonium chloride: LC50 fish 0.86 mg/L/96h; EC50 daphnia 0.0058-0.016 mg/L/48h; EC50 algae 0.063 mg/L/96h

Binding Agent: LC50 fish >934 mg/L/96h; EC50 daphnia 331 mg/L/48h; EC50 algae 1000 mg/L/72h

Persistence and Degradability: Active ingredients are readily biodegradable.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

Other Adverse Effects: No data available.

13. DISPOSAL CONSIDERATIONS

Pesticide Disposal and Container Handling: Nonrefillable container. Do not reuse or refill this container. If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain. Waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

14. TRANSPORT INFORMATION

DOT Hazardous Materials Regulations: Not regulated.

IMDG Code: Not regulated.

15. REGULATORY INFORMATION

CERCLA 103 Reportable Quantity: This product is not subject to CERCLA reporting. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

Hazard Category for Section 311/312: Refer to Section 2 for the OSHA Hazard Classification.

Section 313 Toxic Chemicals: This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements: None

Section 302 Extremely Hazardous Substances (TPQ): None

California Proposition 65: None

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

EPA Registration Number: 92082-3

Caution

Keep out of reach of children. Hazardous to Humans and Domestic Animals. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

16. OTHER INFORMATION

SDS Date of Preparation: April 27, 2022

SDS Date of Revision: May 7, 2025

NOTICE

SRFC Bio, Inc. (SRFC) provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. A properly trained person using this product intends this document only as a guide to the appropriate precautionary handling of the material. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. SRFC makes no representations or warranties, either expressed or implied, including without limitation any warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly SRFC will not be responsible for damages resulting from use of or reliance upon this information.