

# SRFC BIO, INC.

## SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identity:** SRFC Bio Pro

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

**Restrictions on Use:** None known.

**Supplier:** SRFC Bio, Inc.  
4460 Spring Valley Road  
Farmers Branch, TX 75244  
214-257-8879

**Emergency Phone:** 214-257-8879 (M-F 9AM-5PM Central Time)

### 2. HAZARDS IDENTIFICATION

**GHS Classification:**

<b>Physical:</b>	<b>Health:</b>	<b>Environmental</b>
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 advise/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 with adequate general or local exhaust ventilation to minimize exposure levels.

**Personal Protective Equipment:** Refer to the product label for additional requirements for pesticide use.

**Respiratory Protection:** In operations where exposure levels are excessive, an approved respirator with dust/mist cartridges or supplied air respirator can be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

**Skin Protection:** Wear impervious gloves if needed to avoid prolonged or repeated skin contact.

**Eye Protection:** Chemical safety goggles should be worn if splashing is possible.

**Other:** Impervious clothing recommended where needed to avoid skin contact and contamination of personal clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

<b>Physical State:</b> Liquid	<b>Odor Threshold:</b> Not Determined
<b>Vapor Density:</b> Same as water	<b>Initial Boiling Point/Range:</b> Not Determined
<b>Solubility in Water:</b> Soluble	<b>Vapor Pressure:</b> Same as water
<b>Relative Density:</b> 0.998 at 22°C	<b>Evaporation Rate:</b> Same as water
<b>Melting/Freezing Point:</b> Not Determined	<b>pH:</b> 4.4
<b>VOC Content:</b> Not Determined	<b>Octanol/Water Coefficient:</b> Not Determined
<b>Viscosity:</b> 1.20 cSt at 20°C 0.79 cSt at 40°C	<b>Decomposition Temperature:</b> Not determined
<b>Flashpoint:</b> >100°C (>212°F)	<b>Flammability (solid, gas):</b> Not applicable
<b>Flammable Limits: LEL:</b> Not applicable <b>UEL:</b> Not applicable	<b>Autoignition Temperature:</b> 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): EC<sub>3</sub> = 38.7% ; Stimulation Index (SI) =  $\geq 3$

**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: LD<sub>50</sub> = >5000 mg/kg (rats) (tested substance)

Dermal Toxicity: LD<sub>50</sub> = >5050 mg/kg (rats) (tested substance)

Inhalation Toxicity: LC<sub>50</sub> = > 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:

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.

<b>16. OTHER INFORMATION</b>
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**SDS Date of Preparation:** April 27, 2022

**SDS Date of Revision:** October 27, 2022

**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.