



Section I: Product Identity/Manufacturer's Name (EPA Formulator Establishment)

Product Identity

- SUV Disinfectant (Concentrate Solution*)
- Quaternary Ammonium Detergent Blend
- EPA Registration #: 1839-169-70809

*Note: The information contained in this MSDS applies to SUV concentrate only, unless otherwise specified. For information regarding use dilution, contact OSHA Review, Inc.

Telephone Numbers

Emergency Assistance (24-Hour):

- Poison Control – 1-800-222-1222
- Chemtrec – 1-800-424-9300

General Assistance (M-F 8:30-4:30 PST):

OSHA Review, Inc – 800-555-6248

Section II: Hazards Identification

Emergency Overview: **Danger, Corrosive**

- Keep out of reach of children.

Potential Health Effects:

- **Eyes:** May cause irreversible eye damage.



- **Skin:** May cause skin irritation.
- **Inhalation:** Exposure via inhalation is not likely. Inhalation of vapors or mists may be irritating to the respiratory system.
- **Ingestion:** May be harmful if swallowed.

Section III: Ingredient Information

Active Ingredients	Percentage	CAS Number
Alkyl dimethyl benzyl ammonium chloride (C12-16)	2.17%	68424-85-1
Di-(C8-10)-alkyl dimethyl ammonium chlorides	1.627%	68424-95-3
Didecyl dimethyl ammonium chloride	0.814%	7173-51-5
Dioctydimethylammonium chloride	0.814%	5538-94-3

Section IV: First Aid Measures

- **Eyes:** Immediately flush eyes with water for at least 15 minutes, holding eyelids open. Seek medical attention.
- **Skin:** Immediately take off all contaminated clothing. Immediately flush skin with water. Get medical attention.
- **Inhalation:** Immediately remove the affected person to fresh air. If the affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Seek immediate medical attention.
- **Ingestion:** Call Poison Control immediately. Give one or two glasses of water if patient is alert and able to swallow. Seek medical attention.
- **Note to Physician:** If ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately.

Section V: Fire Fighting Measures

- **Flash Point:** > 201°F PMCC
- **LEL/UEL:** N/A
- **Extinguishing Media:** Dry chemical, foam, carbon dioxide, water fog
- **Fire Fighting Equipment, Instructions:** Wear full fire-fighting gear including NIOSH-approved self-contained breathing apparatus operated in the pressure demand or other positive pressure mode.

Section VI: Accidental Release Measures

In Case Material is Released or Spilled: Isolate spill or leak area immediately. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering. Floors may become slippery. Avoid walking in product. Use protective equipment for recovery and/or disposal. Avoid discharge of concentrate to sewer or open waterways. Cover with absorption material such as sand, vermiculite, kitty-litter and contain for proper disposal. Consult local authorities prior to discharging to public sewer or to discarding solid contaminated waste in trash. Do not dispose of into storm drains, stream, river, or to ground.

Section VII: Handling/Storage/Disposal

- **Handling Procedures:** Avoid contact with skin, eyes. Avoid breathing vapors or mists. Wash hands thoroughly after handling.
- **Storage Procedures:** Do not contaminate water or food by storage or disposal. Keep container tightly closed and in a cool, well-ventilated, dry place. Avoid excessive heat.
- **Disposal Procedures:** Dispose of in accordance with local, state, and federal laws. Consult local authorities prior to discharging to public sewer or to discarding solid contaminated waste in trash. Do not dispose of into storm drains, stream, river, or to ground. Rinse empty container thoroughly before discarding in trash.

Section VIII: Exposure Control/Personal Protection

Engineering Controls: Use general ventilation. Local exhaust is suggested, where possible, in enclosed or confined spaces.

Personal Protective Equipment:

- **Eyes/Face:** Wear protective eyewear and face shield. Eyewash station is recommended.

- **Skin:** Wear protective clothing, chemical-resistant gloves.
- **Lungs:** If exposure limits are exceeded or if irritation is experienced, NIOSH-approved respirator should be worn.

Section IX: Physical/Chemical Properties

- **Boiling Point:** 200°F
- **Vapor Pressure (mm Hg):** Unknown
- **Vapor Density:** Estimated heavier than air
- **Evaporation Rate:** Similar to water, slower than ethyl ether
- **Density:** 8.38 lb/gal @25°C
- **Percent volatile:** 85-95%
- **pH of Concentrate Solution:** 6.5
- **Appearance/Odor:** Clear liquid with mild odor

Section X: Stability/Reactivity

- **Stability:** Stable [x] Unstable []
- **Incompatibility:** Anionic compounds, strong oxidizers
- **Hazardous Decomposition:** Upon decomposition, this product may yield oxides of nitrogen and ammonia, carbon dioxide, carbon monoxide, and other low molecular weight hydrocarbons.

Section XI: Toxicological Information

SUV is not listed as carcinogenic or mutagenic according to IARC, NTP, or OSHA, nor is it listed on California's Proposition 65 list of carcinogens and reproductive hazards. Limited toxicological data on individual ingredients is provided below.

Didecyl dimethyl ammonium chloride (7173-51-5): acute dermal LD₅₀ (rabbit) – 2730 mg/kg, acute oral LD₅₀ (mouse) – 268 mg/kg, acute oral LD₅₀ (rat) – 84 mg/kg, acute other LD₅₀ (mouse) – 11 mg/kg, acute other LD₅₀ (rat) – 45 mg/kg

Section XII: Ecological Information

Alkyl dimethyl benzyl ammonium chloride (C12-16) (68424-85-1): LC₅₀ Striped bass (*morone saxatilis*): 19.1-19.1 mg/l 96 hours
Didecyl dimethyl ammonium chloride (7173-51-5): LC₅₀ White sturgeon (*acipenser transmontanus*): 0-0 mg/l 96 hours

Section XIII: Disposal Considerations

All wastes must be handled in accordance with local, state, and federal regulations. Dispose of contents/container in accordance with local/regional/national/international regulations. Regulations vary.

Section XIV: Transport Information

Refer to DOT Classification Sheet.

Section XV: Regulatory Information

- OSHA Hazard: Irritant
- SARA: None
- CERCLA reportable quantity: None
- Massachusetts Right-To-Know: None
- Pennsylvania Right-To-Know: None
- New Jersey Right-To-Know: None
- California Proposition 65: This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

Section XVI: Other Information

HMIS Classification	
Health	3
Flammability	1
Physical hazard	0
Personal protection	X

NFPA Classification	
Health	3
Flammability	1
Instability	0

- This product is intended for use as a disinfectant, cleaner, and deodorizer on hard, non-porous environmental surfaces.
- The product label and enclosed instructions sheet should be consulted for directions for use.
- This product is an antimicrobial product subject to the labeling requirements of the Federal Insecticide, Fungicide and Rodenticide Act and labeling regulations issued under the Act by the U.S. Environmental Protection Agency (EPA).
- This company cannot anticipate all conditions of product handling and use, and therefore accepts no responsibility for the safety of our product either alone or in combination with other products. It is the responsibility of the user to provide a safe workplace, using health and safety information contained herein as a guide. This company will accept no liability for damages or loss incurred from improper product handling and use or in connection with the accuracy, completeness, adequacy, or furnishing of the information contained herein.