



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

Product Identity

- SUV Disinfectant & Cleaner (Concentrate Solution)*
- Quaternary Ammonium Detergent Blend
- Product Number: 3000

*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: 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
Dioctyldimethylammonium chloride	0.814%	5538-94-3
Didecyl demethyl ammonium chloride	0.814%	7173-51-5
Inert Ingredients	94.575%	

Section III: Physical/Chemical Properties

- **Boiling Point:** 200°F
- **Vapor Pressure (mm Hg):** Unknown
- **Vapor Density:** Estimated heavier than air
- **Evaporation Rate:** Similar to water
- **Specific Gravity (H₂O = 1):** 1.040
- **pH of Concentrate Solution:** 6.5
- **Appearance / Odor:** Clear liquid with mild odor.

Section IV: Health Effects

Health Effects: Eyes

This product may be corrosive to the eyes.

Health Effects: Skin

This product may cause irritation to the skin. It may be harmful if it absorbed through the skin.

Health Effects: Inhalation

Exposure via inhalation is not likely. High vapor or aerosol

mist concentrations may be irritating to the nose, throat, and upper respiratory tract. Excessive inhalation may cause headache, dizziness, nausea, and loss of motor skills.

Health Effects: Ingestion

This product may be harmful if it is swallowed. Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea.

Section V: First Aid

Eyes – Immediately flush eyes with water for at least 15 minutes, holding eyelids open. Get medical attention or advice.

Skin – Immediately take off all contaminated clothing. Wash contaminated clothing before reuse. Immediately flush with water. Get medical attention.

Inhalation – If inhaled, immediately remove the affected

Note to Physician – If ingested, mucosal damage may contraindicate the use of gastric lavage. Treat affected person appropriately.

person to fresh air. If the affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

Ingestion – If swallowed, get immediate medical attention or advice. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Do not induce vomiting.

Section VI: Fire/Explosion Properties

- **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 turn-out gear including NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

Section VII: Stability/Reactivity

- **Stability:** Stable [x] Unstable []
- **Incompatibility:** Anionic compounds, strong oxidizers

- **Hazardous Polymerization:** Will not occur
- **Hazardous Decomposition:** This product may yield

oxides of nitrogen and ammonia

Section VIII: Handling/Storage/Disposal

Handling Procedures

Avoid contact with skin, eyes. Avoid breathing vapors or mists. Wash hands before eating, drinking, smoking. Follow safe practices when handling this material.

Storage Procedures

Do not contaminate water or food by storage or disposal. Keep container tightly closed and in a cool, well-ventilated 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 IX: Exposure Control/Personal Protection

Engineering Controls – Provide adequate ventilation.

Personal Protective

- **Eyes/Face** – Wear protective eyewear and face shield.
- **Skin** – Wear protective clothing and chemical-resistant

gloves.

- **Lungs** – If exposure limits are exceeded or if irritation is experienced, NIOSH-approved respirator should be worn.

Section X: 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 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 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. Specific toxicological data on SUV as a mixture is not available. Limited data on individual ingredients is provided below.

Didecyl dimethyl ammonium chloride (7173-51-5) –

LD50_O (rat): 84 mg/kg LD50_O (mouse): 268 mg/kg

Alkyl dimethyl benzyl ammonium chloride (68424-85-1) –

LD50_O (rat): 426 mg/kg LD50_O (mouse): 919 mg/kg

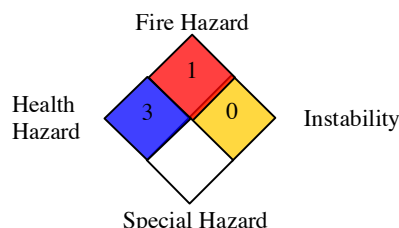
Additional information is available upon request. Please contact OSHA Review, Inc.

Section XII: HMIS/NFPA Information

Hazardous Materials Identification System (HMIS)

HEALTH	3
FLAMMABILITY	1
PHYSICAL HAZARD	0
PPE	X

National Fire Protection Association (NFPA)



Section XIII: Other Information

- The 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 handling and use of this product, 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 the improper handling and use of this product or in connection with the accuracy, completeness, adequacy, or furnishing of the information contained herein.