



SECTION I - PRODUCT IDENTIFICATION

KaiSan Disinfectant

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous components	CAS#'s	OSHA PEL	ACGIH TLV	Other Limits	% (Optional)
Didecylidimethyl Ammonium Chloride	7173-51-5	N/A	N/A	N/A	7.70%

*This chemical is subject to the reporting requirements for Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372

SECTION III - PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point	≈ 212° F	Specific Gravity (H ₂ O=1)	1.000±0.01
Vapor Pressure (mm Hg.)	N/E	Percent Volatile By Weight (%)	>85
pH (conc.)	7.5	Evaporation Rate (H ₂ O=1)	1
Solubility in Water	Complete		
Appearance and Odor	Blue Liquid-Floral Fragrance		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): None Flammable Limits: LEL: N/A UEL: N/A
 Extinguishing Media: Water, CO₂, Foam or media suitable for surrounding fire
 Special Fire Fighting Procedures: Standard fire fighting procedures may be followed, including full protective gear. NIOSH approved self-contained breathing apparatus
 Unusual Fire and Explosion Hazards: None Known

SECTION V - PHYSICAL HAZARDS

Stability Unstable Conditions to Avoid: None Known
 Stable

Incompatibility (Materials to Avoid): Do not mix with other chemicals.
 Hazardous Decomposition Products or By-products: Thermal decomposition or burning may produce toxic vapors or gases

Hazardous Polymerization May Occur Conditions to Avoid: None Known
 Will Not Occur

N/A (Not applicable / Not available)

N/E (Not Established)



SECTION VI - HEALTH HAZARDS

Route(s) of Entry: Inhalation? Skin? X Ingestion? X
 Health Hazards (1 Acute and 2 Chronic) 1. Acute: Harmful if swallowed Eye and skin irritant.
 2. Chronic: None Known

Chemical Listed as Carcinogen or Potential Carcinogen:

National Toxicology Program	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
I.A.R.C. Monographs:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
OSIIA	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

Signs and Symptoms of Exposure: Irritation or burning sensation

Medical Conditions Generally Aggravated by Exposure: May aggravate skin disorders or respiratory ailments. Emergency and First Aid Procedures: **Eye Contact:** Flush immediately with water for 15 minutes. Get medical attention. **Skin Contact:** Flush with water for 15 minutes. Remove and wash contaminated clothing. **Ingestion:** Rinse mouth with water. Then drink 1-2 glasses of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get immediate medical attention.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken In Case Material Is Released Or Spilled: Wear appropriate protective equipment. If possible, contain spill and collect in an approved container. Rinse affected area thoroughly with water. Keep product out of storm sewers or waterways. Hold for disposal.

Waste Disposal Method: Dispose of in accordance with local, state and federal regulations. If possible, triple rinse container and recycle.

Precautions To Be Taken In Handling And Storing: Avoid contact with skin or eyes. Avoid breathing vapor, spray or mist. Store in original container, in cool dry place with adequate ventilation. Keep container tightly closed when not in use.

Other Precautions: Use only according to label directions. If unsure about safe use, contact your supervisor immediately.

SECTION VIII - CONTROL MEASURES

Respiratory Protection (Specify Type): Not expected to be necessary under normal conditions of use. Where exposure cannot be adequately controlled by general or local ventilation, use appropriate respiratory protection to prevent over exposure. An approved dust/mist respirator would be recommended. **Ventilation:** X **Local Exhaust:** As necessary

Mechanical (General): Adequate **Special:** N/A **Other N/A** **Protection Gloves:** Water Impermeous (Latex, Neoprene) **Eye Protection:** Chemical Resistant Goggles or Face Shield

Other Protective Clothing Or Equipment: Not Required. Eye wash recommended
Work/Hygiene Practices: Follow OSHA mandated procedures. Never eat or smoke while working with chemicals. Good housekeeping practices apply. Wash thoroughly after handling.