

SAFETY DATA SHEET

Santech-TC

Issue Date: 20-May-2014
Revision Date: 20-May-2019

Revision number: 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name	Santech-TC
Item#:	NZ14386
Recommended use	Sanitizer
Supplier	DeLaval Manufacturing PO Box 15-205 Kells Place Hamilton New Zealand
Telephone Number	+64 7 847 9904 (8am - 4:30pm Mon-Fri)
Emergency Telephone Number	+64 3 474 7000 (National Poisons Centre) 0800 243 622 CHEMCALL

2. HAZARD IDENTIFICATION

WARNING

HAZARDOUS SUBSTANCE NON-DANGEROUS GOODS

Harmful if swallowed
Causes skin and serious eye irritation
May cause an allergic skin reaction
Toxic to aquatic life with long lasting effects

Potential Health Effects

Principle Routes of Exposure	Eye contact Skin contact Inhalation Ingestion
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Major effects of exposure

EYES	May cause severe irritation
SKIN	May irritate or cause burns
INGESTION	Can cause burns to the lining of the throat and stomach
INHALATION	May irritate nose, throat, and respiratory tracts

Read Safety Data Sheet before use

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Didecyldimethylammonium chloride	7173-51-5	5 - 10

Other ingredients, determined not to be hazardous subject to the provisions of the Hazardous Substances (identification) Regulations 2001, make up the product concentration to 100%

4. FIRST AID MEASURES

Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes Get medical attention if irritation develops and persists
Skin contact	Remove contaminated clothing and shoes Wash off immediately with plenty of water for at least 15 minutes Get medical attention if irritation develops and persists
Inhalation	Move to fresh air If breathing is difficult, give oxygen Seek medical attention if the patient shows any sign of respiratory difficulties
Ingestion	Do not induce vomiting. Drink 1 or 2 glasses of water. Call a physician or Poison Control Centre immediately. Never give anything by mouth to an unconscious person.

5. FIRE-FIGHTING MEASURES

Hazchem Code	No Hazchem Code allocated
Flammable Properties	The product is not flammable.
Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable Extinguishing Media	No information available.
Specific hazards arising from the chemical	The product causes irritation of eyes, skin and mucous membranes.
Protective Equipment and Precautions for Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Avoid contact with skin, eyes and clothing. Use personal protective equipment.
Environmental Precautions	Prevent further leakage or spillage if safe to do so. Avoid dispersal of spilt material into waterways, drains, and sewers.
Methods for cleaning up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

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7. HANDLING AND STORAGE

Handling	Wear personal protective equipment. Avoid contact with skin, eyes and clothing.
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labelled containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/face Protection Safety glasses with side-shields.

Skin Protection Long sleeved clothing

Respiratory Protection No special protective equipment required.

General Hygiene Considerations

Keep away from food, drink, and animal feeding stuffs. When using, do not eat, drink, or smoke. Contaminated work clothing should not be allowed out of the work place. Avoid contact with skin, eyes, and clothing. Wear suitable gloves and eye/face protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear Colorless
Physical state	Liquid
Odor	Sweet, Amine
pH	8
Specific Gravity	1.00
Vapor Pressure	No data available
Vapor Density	No data available
Flash Point	The product is not flammable
Boiling Point/Range	~100 °C
Freezing Point/Range	no data available

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions.
Conditions to Avoid	Heat, flames and sparks.
Incompatible Materials	oxidizing agents
Hazardous decomposition products	None under normal use.
Possibility of hazardous reactions	Thermal decomposition can lead to release of poisonous fumes

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11. TOXICOLOGICAL INFORMATION

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Didecyldimethylammonium chloride	238 mg/kg (Rat)		

Potential Health Effects**Carcinogenicity**

There are no known carcinogenic chemicals in this product.

Sensitization No information available.

Neurological Effects No information available.

Mutagenic effects No information available.

Reproductive Effects No information available.

Developmental Effects No information available.

Target Organ Effects No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity**Ecotoxicity effects**

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Microtox	Waterflea
Didecyldimethylammonium chloride	EC50 0.09 mg/L 72h	LC50 0.28 mg/L 96 h		LC50 0.0059 mg/L 48 h

Persistence and degradability No information available

Bioaccumulation/ Accumulation No information available.

Mobility No information available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of in accordance with local regulations.

Contaminated Packaging Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION

Not regulated

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15. REGULATORY INFORMATION

HSNO Classifications

6.1D Substances that are acutely toxic
6.3B Substances that are irritating to the skin
6.4A Substances that are irritating to the eye
6.5B Substances that are contact sensitizers
9.1B Substances that are ecotoxic to aquatic environment
9.3C Substances that are harmful to terrestrial vertebrates

HSNO Conditions

Hazardous Substances Location trigger quantity: N/A
Approved Handler trigger quantity: N/A
Secondary containment trigger quantity: 1000L or 1000kg
Signage trigger quantity: 1000L or 1000kg
Response Plan trigger quantity: 1000L or 1000kg

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16. OTHER INFORMATION

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References NZS 5433:2007 Transport of Dangerous Goods on Land
 Land Transport (Dangerous Goods) Rule 45001:2005
 Hazardous Substances Regulations 2001:
 - Minimum Degrees of Hazard
 - Classification
 - Classes 1 to 5 Controls
 - Classes 6, 8 and 9 Controls
 - Packaging Regulations
 - Identification Regulations
 - Disposal Regulations
 - Emergency Management
 - Identification Regulations
 - Disposal Regulations
 Health and Safety in Employment Regulations 1995
 User Guide to the HSNO Thresholds and Classifications
 OSH Workplace Exposure Standards January 2002
 NZCIC Approved Code of Practice - Preparation of Safety Data Sheets
 Signage for premises storing hazardous substances and dangerous goods

Disclaimer

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