

# SAFETY DATA SHEET

# Santech-TC

Preparation Date: 01-Sep-2009  
Revision Number: 2.1  
Revision Date: 13-Sep-2024  
Date of Next Revision: 12-Sep-2029

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

**Product Name** Santech-TC  
**Item#:** NZ14386  
**Recommended use** Sanitizer  
**Uses advised against** Restricted to professional users

**Supplier** DeLaval Ltd,  
82 Greenwood street,  
Hamilton  
New Zealand

**Telephone Number** (07) 849-6020  
(8am - 4:30pm Mon-Fri)

**Emergency Telephone Number** 0800 764 766 (National Poison Centre)  
0800 243 622 CHEMCALL

## 2. HAZARD IDENTIFICATION

### 2.1. Classification of the substance or mixture according to GHS

Acute toxicity - Oral - Category 4  
Skin corrosion/irritation - Category 1  
Serious eye damage/eye irritation - Category 1  
Skin sensitization - Category 1  
Acute aquatic toxicity - Category 1  
Hazardous to the terrestrial environment - Hazardous to terrestrial vertebrates

### 2.2. Label Elements

**Hazard Pictogram(s)**



**Signal word** DANGER

**Hazard Statements** H302 - Harmful if swallowed  
H317 - May cause an allergic skin reaction  
H314 - Causes severe skin burns and eye damage  
H318 - Causes serious eye damage

H400 - Very toxic to aquatic life  
Hazardous to terrestrial vertebrates

**Precautionary statements**

P102 - Keep out of reach of children  
P260 - Do not breathe dust/fume/gas/mist/vapors/spray  
P264 - Wash hands and face thoroughly after handling  
P270 - Do not eat, drink or smoke when using this product  
P272 - Contaminated work clothing should not be allowed out of the workplace  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P273 - Avoid release to the environment  
P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting  
P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower  
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water  
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention  
P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P310 - Immediately call a POISON CENTER/doctor.  
P362 + P364 - Take off contaminated clothing and wash it before reuse  
P391 - Collect spillage  
P405 - Store locked up  
P501 - Dispose of contents/container in accordance with local regulations

**Contains**

Didecyldimethylammonium chloride, Alkyl (C12-16) dimethylbenzylammoniumchloride

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
Didecyldimethylammonium chloride	7173-51-5	1 - 10%
Alkyl (C12-16) dimethylbenzylammonium chloride	68424-85-1	1 - 10%
Oxiran, 2-methyl-, polymer with oxiran, mono(2-propylheptyl)ether	166736-08-9	1 - 10%
Ethyl alcohol	64-17-5	1 - 10%

### 4. FIRST AID MEASURES

**Workplace Facilities**

Eyewash bottle with clean water

**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 Center immediately. Never give anything by mouth to an unconscious person.

## 5. FIRE-FIGHTING MEASURES

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

## 6. ACCIDENTAL RELEASE MEASURES

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

## 7. HANDLING AND STORAGE

<b>Handling</b>	Wear personal protective equipment. Avoid contact with skin, eyes and clothing.
<b>Storage</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labelled containers.
<b>Type of Container/Package</b>	Store in original container

Handle and store according to AS/NZS Standards and the Responsible Care Management Systems: Managers Handbook.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical name	WES (New Zealand)
Ethyl alcohol	TWA: 1000 ppm TWA: 1880 mg/m <sup>3</sup>

<b>Engineering Controls</b>	Ensure adequate ventilation, especially in confined areas.
<b>Personal Protective Equipment</b>	
<b>Eye/face Protection</b>	Safety glasses with side-shields.
<b>Skin Protection</b>	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

<b>Appearance</b>	Clear Colorless
<b>Physical state</b>	Liquid
<b>Odor</b>	Sweet, Amine
<b>pH</b>	8
<b>Vapor Pressure</b>	No data available
<b>Vapor Density</b>	No data available
<b>Flash Point</b>	The product is not flammable
<b>Autoignition Temperature</b>	No data available
<b>Upper flammability limit:</b>	No data available
<b>Lower flammability limit:</b>	No data available
<b>Boiling Point/Range</b>	~100 °C
<b>Freezing Point/Range</b>	No data available
<b>Solubility</b>	No information available
<b>Solubility in other solvents</b>	No data available
<b>Specific Gravity</b>	1.00
<b>Kinematic viscosity</b>	

## 10. STABILITY AND REACTIVITY

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

## 11. TOXICOLOGICAL INFORMATION

<b>Acute Toxicity</b>	
<b>Inhalation</b>	No information available.
<b>Eye contact</b>	No information available.
<b>Skin contact</b>	No information available.
<b>Ingestion</b>	Harmful if swallowed.

### Component Information

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Didecyldimethylammonium chloride	238 mg/kg (Rat)	3342 mg/kg (Rabbit)	
Alkyl (C12-16) dimethylbenzylammonium chloride	344 mg/kg (Rat)		
Ethyl alcohol	7060 mg/kg (Rat)	>2000 mg/kg (Rabbit)	124.7 mg/L (Rat)

<b>Irritation</b>	No information available
<b>Corrosivity</b>	Causes severe skin burns and eye damage.
<b>Sensitization</b>	May cause an allergic skin reaction.
<b>Mutagenic effects</b>	No information available.
<b>Carcinogenicity</b>	There are no known carcinogenic chemicals in this product.

Chemical name	Ethyl alcohol
<b>IARC</b>	-

<b>Reproductive Effects</b>	No information available.
<b>Developmental Effects</b>	No information available.
<b>STOT - single exposure</b>	No information available
<b>STOT - repeated exposure</b>	No information available.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

<b>Ecotoxicity effects</b>	Very toxic to aquatic life Hazardous to terrestrial vertebrates
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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
Ethyl alcohol	EC 50 >100 mg/l (Chlorella pyrenoidosa)	12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static	EC50 = 34634 mg/L 30 min EC50 = 35470 mg/L 5 min	9268 - 14221: 48 h Daphnia magna mg/L LC50 2: 48 h Daphnia magna mg/L EC50 Static

<b>Persistence and degradability</b>	No information available
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<b>Bioaccumulation/Accumulation</b>	No information available.
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<b>Mobility</b>	No information available
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13. DISPOSAL CONSIDERATIONS
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<b>Waste Disposal Method</b>	Dispose of in accordance with local regulations.
<b>Contaminated Packaging</b>	Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION
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Not regulated

<b>UN-No</b>	1903
<b>Proper Shipping Name</b>	Disinfectant, liquid, corrosive, n.o.s ( Benzalkonium Chloride )
<b>Hazard Class</b>	8
<b>Packing Group</b>	III
<b>Marine Pollutant:</b>	Y.
<b>Hazchem Code</b>	No Hazchem Code allocated

15. REGULATORY INFORMATION
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**ERMA NZ Registration Number** HSR002526**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**ERMA Reference** ERMA User Guide to the HSNO Controls, which links to the Hazardous Substances Regulations 2001

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16. OTHER INFORMATION
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<b>Prepared By</b>	DeLaval NV Industriepark-Drongen 10 9031 Gent Belgium
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<b>Reason for revision</b>	Update Section: 1 (supplier information)
<b>References</b>	<ul style="list-style-type: none"><li>- Hazardous Substances (Hazardous Classification) Notice 2020</li><li>- Hazardous substances (Labelling) Notice 2017</li><li>- Hazardous Substances (Safety Data Sheets) Notice 2017</li><li>- GHS8</li><li>- European Agreement concerning the International Carriage of Dangerous Goods by Road</li><li>- New Zealand Workplace Exposure Standards (WES)</li><li>- International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs - Group 1: Carcinogenic to humans</li><li>- Chemical Classification and Information Database (CCID)</li></ul>

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**End of SDS**