

SAFETY DATA SHEET

Santech-TC

Preparation Date: 01-Sep-2009
Revision Number: 2.3
Revision Date: 12-Nov-2025
Date of Next Revision: 11-Nov-2030

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 1B
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

Didecyltrimethylammonium chloride, Alkyl (C12-16) dimethylbenzylammoniumchloride

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
Didecyltrimethylammonium 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

Hazchem Code	2X
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).

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.
Type of Container/Package	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: 200 ppm TWA: 380 mg/m ³ STEL: 800 ppm STEL: 1520 mg/m ³

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
Odor Threshold	No information available
pH	8
Melting Point/Range	No data available
Freezing Point/Range	No data available
Boiling Point/Range	~100 °C
Initial boiling point/range	No data available
Flash Point	The product is not flammable
Flammability (solid, gas)	No information available
Upper flammability limit:	No data available
Lower flammability limit:	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Relative density	No data available
Solubility	No information available
Solubility in other solvents	No data available
Partition Coefficient (n-octanol/water)	No information available
Autoignition Temperature	No data available
Decomposition temperature	No data available
Kinematic viscosity	No data available
Particle characteristics	No data available
Specific Gravity	1.00

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

11. TOXICOLOGICAL INFORMATION

Acute Toxicity	
Inhalation	No information available.
Eye contact	No information available.
Skin contact	No information available.
Ingestion	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)

Skin corrosion/irritation	Causes severe skin burns
Serious eye damage/eye irritation	Causes serious eye damage
Respiratory or skin sensitization	May cause an allergic skin reaction
Germ cell mutagenicity	Based on available data, the classification criteria are not met
Carcinogenicity	There are no known carcinogenic chemicals in this product.
Chemical name	Ethyl alcohol
IARC	-
Reproductive toxicity	Based on available data, the classification criteria are not met
Developmental Effects	No information available.
STOT - single exposure	No information available
STOT - repeated exposure	No information available.
Aspiration hazard	Based on available data, the classification criteria are not met.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects	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

Persistence and degradability	No information available
Bioaccumulation/Accumulation	No information available.
Mobility	No information available
Other adverse effects	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

UN-No	1903
Proper Shipping Name	Disinfectant, liquid, corrosive, n.o.s (Benzalkonium Chloride)
Hazard Class	8
Packing Group	II
Marine Pollutant:	Y.
Hazchem Code	2X

15. REGULATORY INFORMATION

EPA NZ Registration Number	HSR002526
EPA Group Standard	Cleaning Products - (Corrosive) Group Standard 2006
HSNO Conditions	Approved Handler trigger quantity: N/A Location Compliance certification trigger: 250L or 250 kg Signage trigger quantity: 100L or 100kg Response Plan trigger quantity: 100L or 100kg Secondary containment trigger quantity: 100L or 100kg
EPA Reference	Guidance to the changes introduced by the Health and Safety at Work (Hazardous Substances) Regulations 2017

16. OTHER INFORMATION

Prepared By	DeLaval NV Industriepark-Drongen 10 9031 Gent Belgium
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Reason for revision	Update Section: 2.1 (skin 1B), 8 (WES), 14 (HAZCHEM 2X, PGII), 15 (HSNO controls)
References	<ul style="list-style-type: none">- Hazardous Substances (Hazardous Classification) Notice 2020- Hazardous substances (Labelling) Notice 2017- Hazardous Substances (Safety Data Sheets) Notice 2017- European Agreement concerning the International Carriage of Dangerous Goods by Road- New Zealand Workplace Exposure Standards (WES)- International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs - Group 1: Carcinogenic to humans- Chemical Classification and Information Database (CCID)

Disclaimer

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End of SDS