

SAFETY DATA SHEET

Santech-TC

Preparation Date: 01-Sep-2009
Revision Number: 1.0
Revision Date: 10-Sep-2019
Date of Next Revision: 09-Sep-2024

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 Manufacturing
PO Box 15-205
Kells Place
Hamilton
New Zealand

Telephone Number +64 7 847 9904
(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
Ecotoxic to terrestrial vertebrates - Category 3

HSNO Classifications

- 6.1D Substances that are acutely toxic
- 6.5B Substances that are contact sensitizers
- 8.2B Substances that are corrosive to dermal tissue
- 8.3A Substances that are corrosive to the eye
- 9.1A Substances that are very ecotoxic in the aquatic environment
- 9.3C Substances that are harmful to terrestrial vertebrates

2.2. Label Elements

Hazard Pictogram(s)



Signal word DANGER

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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
 H433 - Harmful 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.
 P363 - Wash contaminated clothing before reuse
 P391 - Collect spillage
 P405 - Store locked up
 P501 - Dispose of contents/container in accordance with local regulations

Contains

Didecyldimethylammonium chloride

3. COMPOSITION/INFORMATION ON INGREDIENTS
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Chemical name	CAS No.	Weight-%
Didecyldimethylammonium chloride	7173-51-5	1 - 10%
Alkyl (C12-16) dimethylbenzylammonium chloride	68424-85-1	1 - 10%
Polyalkylene oxide derivate of a synthetic alcohol	103818-93-5	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

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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 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).

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	OSH (New Zealand, 1/2002)
Ethyl alcohol	TWA: 1000 ppm TWA: 1880 mg/m ³

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

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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
Vapor Pressure	No data available
Vapor Density	No data available
Flash Point	The product is not flammable
Autoignition Temperature	No data available
Upper flammability limit:	No data available
Lower flammability limit:	No data available
Boiling Point/Range	~100 °C
Freezing Point/Range	No data available
Solubility	No information available
Solubility in other solvents	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

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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)		
Alkyl (C12-16) dimethylbenzylammonium chloride	344 mg/kg (Rat)		
Ethyl alcohol	= 7060 mg/kg (Rat)	>20000 mg/kg (rabbit)	124.7 mg/L (rat)

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

Chemical name	IARC
Ethyl alcohol	Group 1

Reproductive Effects No information available.
Developmental Effects No information available.
STOT - single exposure No information available
STOT - repeated exposure No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity
Ecotoxicity effects Very toxic to aquatic life
Harmful to terrestrial vertebrates

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		100: 96 h Pimephales promelas mg/L LC50 static 12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through	EC50 = 34634 mg/L 30 min EC50 = 35470 mg/L 5 min	10800: 24 h Daphnia magna mg/L EC50 2: 48 h Daphnia magna mg/L EC50 Static 9268 - 14221: 48 h Daphnia magna mg/L LC50

Persistence and degradability No information available
Bioaccumulation/Accumulation No information available.
Mobility No information available

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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

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

15. REGULATORY INFORMATION

HSNO Classifications	6.1D Substances that are acutely toxic 6.5B Substances that are contact sensitizers 8.2B Substances that are corrosive to dermal tissue 8.3A Substances that are corrosive to the eye 9.1A Substances that are very ecotoxic in the aquatic environment 9.3C Substances that are harmful to terrestrial vertebrates
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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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ERMA Reference	ERMA User Guide to the HSNO Controls, which links to the Hazardous Substances Regulations 2001
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16. OTHER INFORMATION

Prepared By	DeLaval NV Industriepark-Drongen 10 9031 Gent Belgium
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Reason for revision	Update Section: 2 (Classification according to GHS)
References	Land Transport (Dangerous Goods) Rule 45001:2005 Hazardous Substances Regulations 2001: <ul style="list-style-type: none">- 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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End of SDS