



GHS 7 Edition : 15.10.2022

**Safety Data Sheet According to WHS regulations**

**Version 1 Commercial Grade Disinfectant**

Last reviewed : - 05.06.2018

### **Section 1: Identification of the mixture and the company**

#### **1.1 Identification**

**Commercial name: Commercial Grade Disinfectant**

#### **1.2 Relevant identified uses of mixture and uses advised against Identified uses**

Consumer use – Cleaning

#### **1.3 Details of the supplier of the SDS:**

NATURE DIRECT  
C/o Storage City, 59 Jijaws Street  
Sumner Park, BRISBANE  
AUSTRALIA 4074  
Office : +61 407127820  
Email : [neil.reid@naturedirect.com.au](mailto:neil.reid@naturedirect.com.au)

#### **1.4 Emergency phone: 24 hours Emergency: 13 11 26**

### **Section 2: Hazard identification**

**2.1 Classification of the mixture** The product is not classified

**2.2 Label elements** The product is not classified

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**Section 3: Information on the composition**

**3.2 Chemical characterisation**

CAS 7732-18-5	Distilled water	97 %
CAS 68424-85-1	Benzalkonium chloride Skin Corr 1B, H314 ; Acute Tox 4, H302, Acute Tox 4, H312 ; Aquatic Acute 1, H400	≤ 0.8 %
CAS 7173-51-5	Didecyldimethylammonium chloride Skin Corr 1B, H314 ; Eye Dam 1, H318, Acute Tox 4, H302, Acute Tox 4, H312 ; Aquatic Acute 1, H400 (M=10), Aquatic Chronic 2, H411	≤ 0.8 %
CAS 85409-23-0	Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chloride Skin Corr 1B, H314 ; Acute Tox 4, H302, Acute Tox 4, H312 ; Aquatic Acute 1, H400	≤ 0.8 %
CAS 67-63-0	Propanol-2-ol Flam Liq 2, H225 ; Eye Irrit 2, H319 ; STOT SE3, H336	< 0.4 %
-	Other components *	< 0.2 %

(\*) Other components consist of products occurring at < 0.1% and/ or do not meet health hazard classifications by the criteria of GHS (ver. 3).

For the purposes of the GHS, the terms “cut-off value” and “concentration limit” are equivalent and are meant to be used interchangeably. Competent authorities may choose whether to use either term to define thresholds that trigger classification.



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**Section 4: First aid measures**

**4.1 Description of first aid measures:**

**Inhalation** - Supply fresh air, consult Doctor in case of complaints.

**Skin contact** - After contact with skin, wash immediately with plenty of soap and water.

**Eye contact** - In case of eye contact, remove contact lenses and rinse immediately with plenty of water, also under the eyelids, for several minutes. Consult a Doctor.

**Ingestion** - Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting. Consult Doctor in case of complaints.

**4.2 Most important symptoms and effects, both acute and delayed:**

No further relevant information available.

**4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

**Section 5: Fire Fighting measures**

**5.1 Extinguishing media:**

Suitable extinguishing media: CO<sub>2</sub>, water spray, dry chemical powder or alcohol-foam Extinguishing media to avoid: Water-jet (may spread fire).

**5.2 Special hazards arising from the mixture**

No further relevant information available.

**5.3 Advice to fire fighters:**

No special measures required.



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**Section 6: Accidental Release Measures**

**6.1 Personal precaution, protective equipment and emergency procedures:**

Not required

**6.2 Environmental precautions**

Dilute with plenty of water.

Do not allow the product to enter sewers/ surface water or ground water

**6.3 Methods and material for containment and cleaning up:**

Inform respective authorities in case of seepage into water course or sewage system  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation.

**Section 7: Handling and storage**

**7.1 Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

**7.2 Conditions for safe storage, including any incompatibilities**

No special requirements.

## Section 8: Exposure controls/ Personal Protection

### 8.1 Exposure controls measures:

CAS 67-63-0 Propan-2-ol	NES (Australia) Long-Term value NES (Australian) Short-Term value	983 mg/m <sup>3</sup> , 400 ppm 1230 mg/m <sup>3</sup> , 500 ppm
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### 8.2 Personal protection:

#### General protective and hygienic measures

Keep away from food, beverages and petfood. Remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Avoid all contact with the eyes.

**Respiratory protection:** Not necessary under normal use of the product.

**Hand protection:** Protective gloves (gloves material : Butyl Rubber).

The selection of suitable gloves does not depend only on the material, but also on further marks of quality which may vary from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked before use.

**Eye protection:** Wear protective goggles

## Section 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state; Transparent liquid

Colour; Clear water like

Odour; Characteristic, fragrant

Melting point/freezing point; Not applicable

Boiling point or initial boiling point and boiling range; Not applicable

Flammability; Not applicable

Lower and upper explosion limit/flammability limit; Not determined

Flash point; Not applicable

Auto-ignition temperature; Not applicable

Decomposition temperature; Not determined

pH; +/-7

Kinematic viscosity; Not determined

Solubility; Miscible

Partition coefficient n-octanol/water (log value); Not Determined

Vapour pressure; Not Determined

Density and/or relative density; Not Determined

Relative vapour density; Not Determined

Particle characteristics; Not Determined

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**Section 10: Stability and reactivity**

**10.1 Reactivity:** None under normal conditions.

**10.2 Chemical stability:** Stable under normal conditions.

**10.3 Chemically unstable gas:** Stable, not a flammable gas.

**10.4 Possibility of hazardous reaction:** No dangerous reaction known under normal use.

**10.5 Conditions to avoid:** No further relevant information available.

**10.6 Incompatibles materials:** No further relevant information available.

**10.7 Hazardous decomposition products:** None known.

**Section 11: Toxicological information**

<b>Acute Toxicity</b>	Didecyldimethylammonium chloride (CAS 7173-51-5) LD50 (oral) 410 mg/kg <sub>bw</sub> (rat) LD50 (dermal) 1625 mg/kg <sub>bw</sub> (rat) Propan-2-ol LD50 (oral) 5045 mg/kg <sub>bw</sub> (rat) LD50 (dermal) 12800 mg/kg <sub>bw</sub> (rabbit) LC50/ 4h 30 mg/l (rat)
<b>Corrosion/irritation on skin</b>	Irritant effect
<b>Corrosion/irritation on eye</b>	Based on available data, the classification criteria are not met
<b>Sensitization</b>	Based on available data, the classification criteria are not met
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met
<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met
<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met
<b>STOT – Single exposure</b>	Based on available data, the classification criteria are not met
<b>STOT – Repeated exposure</b>	Based on available data, the classification criteria are not met
<b>Aspiration Hazard</b>	Based on available data, the classification criteria are not met
<b>Corrosion/irritation on skin</b>	Based on available data, the classification criteria are not met



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**Section 12: Ecological information**

**12.1 Toxicity**

**Aquatic toxicity :**

<b>Aquatic Toxicity</b>	Propan-2-ol LC50/48h 8970 mg/L (fish) EC50/ 72h > 1000 mg/L (Algae)
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**12.2 Persistence and degradability** No further relevant information available.

**12.3 Bioaccumulation Potential de bioaccumulation** No further relevant information available.

**12.4 Mobility in soil.** No further relevant information available.

**12.5 Other adverse effects:** - No further relevant information available.

**Section 13 Disposal considerations**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Uncleaned packaging:

- Recommendation: Disposal must be made according to official regulations.
- Recommended cleansing agents: Water, if necessary together with cleansing agents.



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**Section 14: Transport information**

**14.1 UN Number**

**ADR, IMDG, IATA** Not classified as hazardous for transport

**14.2 UN proper shipping name**

**ADR, IMDG, IATA** Not classified as hazardous for transport

**14.3 Transport hazard class** : Not classified as hazardous for transport

**14.4 Packaging group** :

**ADR, IMDG, IATA** Not classified as hazardous for transport

**14.5 Environmental hazard: Marine Pollutant** - No

**14.6 Special precaution for user** Not applicable

**14.7 Additional information** - transport in bulk according to IMO instruments

**Section 15: Regulatory information**

**Australian Inventory of Chemical substances**

CAS 68424-85-1	Benzalkonium chloride
CAS 7173-51-5	Didecyldimethylammonium chloride
CAS 67-63-0	Propanol-2-ol





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**Section 16: Other information**

The statements in this Safety Data Sheet were made to the best of our knowledge and are as accurate as possible. They are given for information only. They do not constitute a contractual guarantee of a product's properties. They must neither be altered nor transferred to other products.

**Acronyms and abbreviations:**

IMDG International Maritime Code for Dangerous Goods  
IATA International Air Transport Association  
GHS Globally Harmonised System of Classification and Labelling of Chemicals

CAS Chemical Abstracts Service (division of the American Chemical Society)

LC50 Lethal concentration, 50 percent  
LD50 Lethal dose, 50 percent

**Respiratory sensitizer** means a substance or mixture that induces hypersensitivity of the airways occurring after inhalation of the substance or mixture. Not applicable with this product.

**Relevant phrases**

H225 Highly flammable liquid and vapour  
H302 Harmful if swallowed.  
H304 May be fatal if swallowed and enters airways. H312 Harmful in contact with skin

314. H314 Causes severe skin burns and eye damage  
315. H315 Causes skin irritation.

H318 Causes serious eye damage.  
H336 May cause drowsiness and dizziness  
H400 Very toxic to aquatic life  
H411 Toxic to aquatic life with long lasting effects