



SAFETY DATA SHEET

According to
HSNO Hazardous Substances (Safety Data Sheets) Notice 2017

Section 1. Identification of the material and the supplier

Product: **Durokleen**
Other names:
Product Use: Long-term Hospital Grade Disinfectant
Restriction of Use: Refer to Section 15

New Zealand Supplier: **2CARE PRODUCTS**
Address: 9 Donnor Place
Mt Wellington
Auckland

Telephone: 0800 753 753
Fax: 09 574 5999
Emergency No: 0800 764 766 (National Poison Centre)

Date of SDS Preparation: 3 June 2022

Section 2. Hazards Identification

This substance is NOT hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

Section 3. Composition / Information on Hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
Benzalkonium Chloride	0.1 - 1%	68424-85-1
Hydrogen Peroxide	0.2%	7722-84-1
Non hazardous Ingredients	To bal	

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes Rinse cautiously with water for 15 minutes. Seek medical advice/ attention if needed.

If on Skin Wash skin with plenty of soap and water. Seek medical advice/ attention if needed.

If Swallowed Wash out mouth thoroughly with water. Never give anything to the mouth of an unconscious person. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs. Call a POISON CENTER or doctor/physician if you feel unwell.

If Inhaled Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and

keep warm. Keep at rest until fully recovered. Apply artificial respiration if not breathing. Get medical advice if breathing becomes difficult.

Most important symptoms and effects, both acute and delayed

Symptoms: Causes moderate eye irritation – avoid contact with eyes
Prolonged exposure may cause skin irritation – wash skin after direct exposure

Notes to Doctor: Treat symptomatically.

Section 5. Fire Fighting Measures

Hazard Type	Non Flammable
Hazards from combustion products	No data available.
Suitable Extinguishing media	Use media for surrounding fires.
Precautions for firefighters and special protective clothing	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
HAZCHEM CODE	None allocated.

Section 6. Accidental Release Measures

General Response Procedures:

Wear PPE as detailed in Section 8. Clear area of all unprotected personnel.

Environmental Precautionary Measures:

Do not allow to enter waterways.

Clean Up Procedures:

Absorb and containerize. Use ionic laundry soap to deactivate. Wash residual down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed-down material. Dispose in accordance with appropriate legislation as per Section 13.

Section 7. Handling and Storage

Precautions for Handling:

- Read label before use.
- Avoid contact with eyes.
- Do not eat, drink or smoke when using this product.

Precautions for Storage:

- Store away from children.
- Reseal containers tightly after use.
- Store upright in a cool, dry area, away from direct sunlight and heat to avoid deterioration.
- Do not contaminate water, food or feed by the product's use, storage or disposal.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
Hydrogen peroxide [7722-84-1]	1	1.4	-	-

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices APRIL 2022 13TH EDITION.

Engineering Controls

No data available.

Personal Protection Equipment

Eyes	If splashing is likely: wear safety glasses or goggles or face shield
Hands	Not required for normal use.
Skin	If prolonged exposure between aqueous solution and skin is expected, protective clothing is recommended to be worn.
Respiratory	Not required for normal use.

Section 9 Physical and Chemical Properties

Appearance	Thin liquid
Colour	Clear
Odour	Odourless
Odour Threshold	Not available
pH	-7
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	Not available
Flammability	Not flammable
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Specific Gravity	-1.1
Water Solubility	Soluble
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Particle Characteristics	Not available
Shelf life	Not available

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Possibility of hazardous reactions	None under normal processing.
Conditions to Avoid	No data available.
Incompatible Materials	No data available.
Hazardous Decomposition Products	None known.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not applicable.
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Dermal	Not applicable.
Inhalation	Not applicable.
Eye	Not applicable.
Skin	Not applicable.

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	Not applicable.

Individual component information:

Acute Toxicity:

Chemical Name	Oral – LD50	Dermal – LD50	Inhalation – LC50
Quaternary Ammonium Compounds, Benzalkonium Chloride.	5000 mg/kg (rat)	>10 000mg/kg (Rabbit)	-

Section 12. Ecotoxicological Information

In its concentrated form, this product is toxic to aquatic vertebrates (fish) and invertebrates, molluscs (mussels, oysters, etc), and crustaceans (prawns, crabs, crays, etc).

Product:	
Persistence and degradability	No data available.
Bioaccumulation	No data available.
Mobility	No data available.
Other adverse effects	No data available.

Section 13. Disposal Considerations

Disposal Method:

Triple rinse container and dispose with household garbage. For bulk use dispose as per Local Regulations.

Precautions or methods to avoid: None known.

Section 14 Transport Information

This product is NOT classified as a Dangerous Good for transport in NZ ; NZS 5433:2012

Section 15 Regulatory Information

This substance is NOT classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

Section 16 Other Information

Glossary

Cat	Category
EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority

HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2020 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

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Please contact the New Zealand distributor, if further information is required.

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