Safety Data Sheet

Frontline 2%

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND SUPPLIER

Product Name	**Frontline 2%**
Recommended Uses	Food processing cleaner/sanitiser
Supplier	Hygiene Technologies Ltd
Street address	28 Rangitane Road Hastings
Telephone Number	(06) 876 4111
Facsimile	(06) 878 3802
Emergency Telephone	NZ Fire Service - 111 National Poisons Centre – 0800 764 766 (0800 POISON)

2. HAZARDS IDENTIFICATION

Dangerous Goods	This product is not classified as a Dangerous Good according to NZS 5433:2012 Transport of Dangerous Goods on Land
Hazardous Substances	Not classified as hazardous according to criteria in the HS regulations 2017
SIGNAL WORD	N/A
Pictograms	N/A
Subclasses	
Group Standard 2017	N/A
Hazard Statements	N/A
Precautionary Statements	
Prevention	N/A
Response	N/A
Storage	N/A
Disposal	N/A
General	Keep out of reach of children. Read label before use.

Australian Classifications	
GHS	N/A
Dangerous Goods	This product is not classified as Dangerous Goods according to the Australian Dangerous Goods Code for Road and Rail.
Poisons Schedule	Not scheduled

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Proportion
Lauryl dimethyl amine oxide	1643-20-5	<1%
Benzalkonium chloride	8001-54-5	<1%
Alkaline salts	Blend	<1%
Non Hazardous ingredients	N/A	1-5%
Water	7732-18-5	to 100%

4. FIRST AID MEASURES

For advice, contact National Poisons Information Centre (Phone 0800 764 766) or a doctor If medical advice is needed, have product container or label at hand.

Swallowed Do NOT induce vomiting. Rinse mouth with water. Give water to drink to achieve dilution. Call a POISON CENTRE or doctor if you feel unwell.

Eye Contact Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, contact a doctor/physician.

Skin Contact Take off all contaminated clothing. Wash contaminated clothing before reuse. Rinse skin with water/shower.

Inhaled Remove to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, call a POISON CENTRE or doctor.

Advice to Doctor Treat symptomatically. Refer to National Poisons and Hazardous Chemicals Information Centre 0800 764 766.

5. FIRE-FIGHTING MEASURES

Specific Hazard Non-combustible material. The product may decompose in a fire, giving off toxic carbon monoxide and possible chlorine gas.

Suitable Extinguishing Media This product is non-combustible. If material is involved in a fire, use media appropriate for surrounding fire conditions. Safe to use water fog or water spray, foam, dry agent (carbon dioxide, dry chemical powder).

Fire/Explosion Hazards Non-combustible, however following evaporation of aqueous component, residual material can decompose if involved in a fire, emitting toxic fumes. If safe to do so, remove containers from path of fire. Fire fighters to wear self-contained breathing apparatus (SCBA) and suitable protective clothing if risk of exposure to products of decomposition.

Hazchem Code N/A

6. ACCIDENTAL RELEASE MEASURES

Avoid walking through spilled product as it may be slippery. Stop leak if safe to do so. Do NOT let product reach drains or waterways. If contamination of sewers or waterways has occurred, advise local emergency services. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact. Soak up spilled product using absorbent non-combustible material such as sand or soil. Avoid using sawdust or cellulose. When saturated, collect material into suitable, clearly labeled, dry, sealable containers and hold for safe disposal. Once pick up is complete, flush spill site with plenty of water to eliminate any residue. Hold contaminated water for disposal by a waste disposal contractor.

7. HANDLING AND STORAGE

Handling advice Before use, carefully read the product label. Avoid eye contact with concentrated material. Avoid breathing in vapours, mists and aerosols. Wash hands thoroughly after handling. Wear protective gloves, eye protection and overalls when handling bulk product. Contaminated work clothing should not be allowed out of the workplace after handling bulk product. Avoid release to the environment.

Storage advice Store in a cool, dry well ventilated area, away from direct sunlight, heat sources

and food stuffs. Ensure containers are correctly labelled, protected from physical damage, sealed when not in use and stored upright. Check regularly for leaks, spills etc. Keep out of reach of children. Keep containers closed when not in use. Store in original packaging as approved by manufacturer. Do not use empty containers for the storage of foodstuffs.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace Exposure Guidelines — No value assigned for this specific material by the NZ Occupational Safety and Health Services (OSH).

Engineering Controls — Natural ventilation should be adequate under normal use conditions. Keep containers closed when not in use.

Personal Protective Equipment — Wear vinyl disposable gloves. If risk of inhalation exists wear a respirator meeting the requirements of AS/ NZS 1715 and AS/ NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear green, low viscosity liquid
Odour	Neutral
Solubility	Soluble in water
Specific Gravity	0.99 – 1.01
Flash Point (^{0}C)	Not applicable
pH	9.0 – 10.0 (5.0% solution)
Freezing Point	<0ºC
Boiling Point	>100ºC
Vapour Pressure	Not available

10. STABILITY AND REACTIVITY

Stability — Product is stable under directed conditions of use, storage and temperature.

Reactivity — No adverse reactions anticipated.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Swallowed — May cause abdominal pain, nausea, diarrhoea and gastrointestinal irritation.

Eye Contact — May cause transient irritation with prolonged or excessive contact.

Skin Contact — May result in irritation and redness with susceptible individuals. Prolonged or repeated contact may cause dermatitis. May cause an allergic skin reaction in individuals known to suffer allergic reactions to chemical products.

Inhaled — Breathing in mists or aerosols may produce respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled by individuals known to suffer allergic reactions to chemical products.

Long Term Effects — No information available for the product.

Toxicological Data — No LD_{50} data available for this product.

12. ECOTOXICOLOGICAL INFORMATION

Aquatic toxicity: — No LC_{50} data available for this product. Avoid contaminating waterways.

13. DISPOSAL

Recycle wherever possible. Whatever cannot be saved for recovery or recycling should be sent to an approved waste disposal contractor for disposal in an approved waste facility. Processing, use or contamination of this product may change the waste management options. Dispose of container and unused contents using an approved waste disposal contractor. Care should be taken to ensure compliance with national and local regulations. This product is NOT for unauthorised disposal by either landfill or via municipal sewers. Not to be discharged to drains, natural streams or rivers.

Special Precautions: Empty drums should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Observe all safeguards on label and in this SDS until container is cleaned, reconditioned or destroyed. Decontaminate empty containers with water. Dispose of container and unused contents in accordance with local authority requirements.

14. TRANSPORT INFORMATION

Transport of Dangerous Goods Pictograms: Nil

Road and Rail Transport	Not classified as a Dangerous Good according to NZS 5433:2012 Transport of Dangerous Goods on Land.
Marine Transport	Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.
Air Transport	Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. REGULATORY INFORMATION

ERMA (NZ) Approval Code	N/A
Group Standard 2017	N/A
HSNO Classifications	N/A

For more information refer to the ERMA website: www.epa.govt.nz

16. OTHER INFORMATION

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