Safety Data Sheet

Farmshield Octaquat

1. Identification of the substance/mixture and supplier

Product Name	Farmshield Octaquat
Other names	NA
Recommended Uses	Disinfectant Concentrate
Supplier **Street address**	Hygiene Technologies Ltd 28 Rangitane Road, Whakatu, Hastings 4172 New Zealand
Freephone Number **Telephone Number**	0800 732 525 (06) 876 4111
Email	info@hygienetech.co.nz
Emergency Telephone	NZ Fire Service - 111 National Poisons Centre – 0800 764 766 (0800 POISON)

2. Hazards Identification

Dangerous Goods	Classified as a Dangerous Good according to NZS5433:2020 "Transport of Dangerous Goods on Land". Dangerous Goods Class: 8 (Corrosive), Packing Group II
Hazardous Substances	Classified as a hazardous substance according to the criteria of the Hazardous Substances (Importers and manufacturers) Notice 2015.
HSNO Classifications	Acute Toxicity – Oral – Category 4 Skin Corrosion – Category 1B Eye Damage – Category 1 Acute Aquatic Hazard – Category 1 Chronic Aquatic Hazard – Category 1
Hazard Statements	Causes severe skin burns and eye damage. Harmful if swallowed. Very toxic to aquatic life with long lasting effects.
Precautionary Statements	Keep out of reach of children. Read label before use. Wear protective gloves, protective clothing, eye and face protection. Wash hands and exposed skin thoroughly after handling. Do not breathe mists. Do not eat, drink or smoke when using this product. Store locked up. Avoid release to the environment. Collect spillage.
Response Statements	IF SWALLOWED: Immediately call a POISON CENTER or doctor. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove immediately all contaminated clothing.

Rinse skin with water (or shower).
Wash contaminated clothing before reuse.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor.
Specific treatment (see section 4 of the SDS)
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

Storage and Disposal: Store locked up, in accordance with local regulatory requirements. Dispose of contents/container in accordance with local regulations.

3. Composition/Information on Ingredients

Contents	CAS Number	Proportion
1-Decanaminium, N-decyl-N,N-dimethyl-, chloride	7173-51-5	80%
Ethanol	64-17-5	10-25 %
Water and ingredients that are not hazardous at the concentrations used.	NA	to 100%

4. First Aid Measures

For advice, contact National Poisons Information Centre (Phone 0800 764 766) or a doctor Have product container or label at hand. Get medical advice/attention if you feel unwell.

Swallowed Do NOT induce vomiting. Rinse mouth with water. Give water to drink to achieve dilution. Immediately call a POISON CENTRE ordoctor.

Eye Contact Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or doctor.

Skin Contact Remove/take off immediately all contaminated clothing and wash before reuse. Wash skin with plenty of soap and water. Immediately call a POISON CENTRE or doctor.

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

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

5. Fire-fighting Measures

Specific Hazards Non-combustible.

Suitable Extinguishing Media This product is non-combustible, if material is involved in 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-fighting advice Non- combustible, however following evaporation of aqueous component residual material can decompose if involved in a fire, emitting toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition. Prevent the contamination of drains and waterways; absorb runoff with sand or similar.

Hazchem 2X

6. Accidental Release Measures

Clear area of all unnecessary personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact and breathing in vapours. Work up wind or increase ventilation. Stop leak if safe to do so. Contain spill with sand, earth or vermiculite. Collect recoverable product into labelled container for recycling or disposal. Absorb residues with sand, earth, vermiculite or other inert material and collect and seal in properly labelled containers or drums for disposal. Wash area down with excess water and prevent run off into drains. If contamination of sewers or waterways and/or surrounding environment has occurred notify local emergency services, local authorities and the Regional Council.

7. Handling and Storage

Handling advice Before use carefully read the product label. Avoid eye contact. Avoid breathing in vapours, mists and aerosols. Wash splashed material off exposed skin thoroughly after handling. Wear protective gloves and eye protection. Contaminated work clothing should not be allowed out of the workplace. 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. Do notuse empty containers for storage of foodstuffs.

8. Exposure Controls / Personal Protection

National occupational exposure limits:

	TWA		STEL		NOTICES
	ppm	mg/m^3	ppm	mg/m^3	
Ethyl alcohol	1000	1880			-

As published by Safe Work Australia.

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

Engineering Measures: Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use only in well-ventilated areas. Use with local exhaust ventilation or while wearing appropriate respirator.

Personal Protective Equipment
Wear chemical goggles if eye contact is likely, and PVC or rubber gloves where prolonged or repeated contact with concentrated material is likely. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

Hygiene measures: Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid contact with clothing. Avoid eye

contact and skin contact. Avoid inhalation of vapour, mist or aerosols. Ensure that eyewash stations and safety showers are close to the workstation location.

9. Physical and Chemical properties

Form:	Liquid
Colour:	Pink
Odour:	Faint
Solubility:	Fully Miscible
Density:	ca. 0.89 g/cm³
Relative Vapour Density (air=1):	0.893 (OECD 109 - S 5168)
Vapour Pressure:	60 hPa (CAS: 64-17-5)
Flash Point (°C):	41 °C (ISO 13736 - S 3537)
Explosion/Flammability Limits:	Not Flammable. Does not support combustion
Melting Point/Range (°C):	Not Determined
pH:	5 - 7
Viscosity:	dynamic (η) at 20 °C: 190.9 mPas (OECD 114 - S 5170) kinematic (√) at 20 °C: 81.1 mm²/s (OECD 114 - S 5170)

10. Stability and Reactivity

Stability	Product is thermally stable under directed conditions of use, storage andtemperature. May evolve toxic fumes when heated to decomposition.
Reactivity	Elevated temperatures and sources of ignition. Incompatible with strong oxidising agents, strong acids and anionic cleaners. Do not mix with any other chemical.

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 or overexposure occurs are:

Swallowed	Corrosive. Swallowing may result in severe irritation to the mouth and throat, nausea, vomiting, abdominal pain and diarrhoea. This material has been classified as a Category 4 Hazard.
Eye Contact	Corrosive to eyes, contact may cause corneal burns and ulceration and result in permanent injury.
Skin Contact	Corrosive to skin. Contact may result in itching, pain, redness and Rash.
Inhaled	Breathing in mists or aerosols may produce respiratory irritation.
Long Term Effects	Repeated or prolonged exposure to concentrated product could result in effects on the blood system and kidneys.
Toxicological Data	No LD50 data available for this product. Oral ATE: 411 mg/kg body weight (calc).

12. Ecological information

Avoid contaminating waterways. Very toxic to aquatic life with long lasting effects.

Toxic to terrestrial vertebrates.

Aquatic toxicity	No LD50 data available for the product.

13. Disposal

Recycle wherever possible. Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and 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 isNOT for disposal by either landfill or via municipal sewers, drains, natural streams or rivers.

Special Precautions: The product is considered to be a hazardous waste because of its corrosivity and toxicity. Emptied containers retain product residue and may therefore present hazards. 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. Do not store food stuffs in used containers.

14. Transport information

Transport of Dangerous Goods Pictograms:



Road and Rail Transport

Classified as a Dangerous Good according to NZS 5433:2020 Transport of Dangerous Goods on Land.

UN No	1760
Class-primary	8 (Corrosive)
Packing Group	II
Proper Shipping Name	CORROSIVE LIQUID, N.O.S. (Contains didecyldimethylammonium chloride, ethanol)
Hazchem Code	2X

Marine Transport

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

UN No	1760
Class-primary	8 (Corrosive)
Packing Group	II
Proper Shipping Name	CORROSIVE LIQUID, N.O.S. (Contains didecyldimethylammonium chloride, ethanol) Marine Pollutant

Air Transport

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

UN No	1760
Class-primary	8 (C9) (Corrosive)
Packing Group	II
Proper Shipping Name	CORROSIVE LIQUID, N.O.S. (Contains didecyldimethylammonium chloride, ethanol)

15. Regulatory Information

GHS Pictogram:



ERMA (NZ) Approval Code HSR002491

Group Standard Additives, Process Chemicals and Raw Materials (Corrosive) 2020

16. Other information

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