Farmshield Trifecta

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND SUPPLIER

Product name	**Farmshield Trifecta**
Recommended use	Livestock Housing Sanitiser
Supplier	Hygiene Technologies Limited
Street Address	28 Rangitane Road, Whakatu , Hastings 4180, New Zealand
Telephone	(06) 876 4111 or 0800 732 525
Emergency Telephone	**NZ Fire Service – 111** **National Poisons Centre – 0800 764 766 (0800 POISON)**

2. HAZARDS IDENTIFICATION

Dangerous Goods	Not classified as a dangerous good according to NZS 5433:2020 Transport of Dangerous Goods on Land.
Hazardous Substances	Classified as hazardous according to criteria in the Hazardous Substances (Hazard Classification) Notice 2020.
SIGNAL WORD	**DANGER**
Pictograms	Corrosion
Hazard Classifications	Eye Damage – Category 1 Skin Irritation – Category 2 Aquatic toxicity (acute) – Category 2
Hazard Statements	Causes serious eye damage. Causes skin irritation. Toxic to aquatic life. Harmful to terrestrial vertebrates.

Precautionary Statements

Prevention	Wear protective gloves and eye protection. Wash thoroughly after handling.
Response	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 CENTRE or doctor. IF ON SKIN: Wash with plenty of water. Specific treatment (see Section 4 of this SDS). If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash it before reuse. Avoid release to the environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Contents	CAS Number	Proportion
EDTA tetra sodium salt	64-02-8	10 - 30%
N,N-Bis(3-aminopropyl) dodecylamine	2372-82-9	< 10%
Ingredients determined not to be hazardous at the concentrations used.	-	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. If exposed or if you feel unwell: Call a POISON CENTER or doctor.

Swallowed Do NOT induce vomiting. Rinse mouth with water. Give water to drink to achieve dilution. If symptoms persist call a POISON CENTRE or doctor/physician.

Eye Contact Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If symptoms persist, 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.

Advice to Doctor If symptoms persist call a POISON CENTRE or doctor/physician.

5. FIRE-FIGHTING MEASURES

Specific Hazard Non-combustible material. The product may decompose in a fire giving off toxic carbon monoxide and nitrogen oxides.

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. If safe to do so, remove containers from path of fire. Fire fighters to wear self- contained breathing apparatus and suitable protective clothing if risk to exposure to products of decomposition.

Hazchem Code Nil

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 labelled, 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 and eye protection. 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 re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Note: The following properties apply to the liquid component of this product.

Appearance	Clear, blue low viscosity liquid
Odour	Slight amine
Solubility	Soluble in water
Specific Gravity	1.08 approx
Flash Point (°C)	Not Applicable
pH	12.5 – 13.5 (concentrate)
Freezing Point	<0°C
Boiling Point	>100°C
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 Cause serious eye damage with prolonged or excessive contact.

Skin Contact Causes skin 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 data.

Toxicological Data No LD50 data available for this product.

12. ECOLOGICAL INFORMATION

Harmful to aquatic environment with long-term effects. Avoid contaminating waterways.

Aquatic Toxicity No LC50 data available for this product.

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

Road and Rail Transport

Not classified as a Dangerous Good according to NZS 5433:2020 Transport of Dangerous Goods on Land.

UN No Nil
Class-primary Nil
Packing Group Nil
Proper Shipping Name Nil
Hazchem Code Nil

Marine Transport

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

UN No Nil
Class-primary Nil
Packing Group Nil
Proper Shipping Name Nil

Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous goods Regulations for transport by air.

UN No Nil
Class-primary Nil
Packing Group Nil
Proper Shipping Name Nil

15. REGULATORY INFORMATION

ERMA (NZ) Approval Code	HSR 002530
Group Standard 2020	Industrial and Institutional Cleaning Products (Subsidiary Hazard) Group Standard 2020
HSNO Classifications	Eye Damage – Category 1. Skin Irritation – Category 2. Aquatic toxicity (acute) – Category 2

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

16. OTHER INFORMATION

Common Acronyms Used

CAS No.	Chemical Abstracts Service Registry Number
UN No.	United Nations Dangerous Goods Number
HSNO	Hazardous Substances and New Organisms Act and Regulations

This SDS is a Hazard Communication tool and should be used to assist in Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered. This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, expressed or implied, as to the accuracy of the information contained herein. Actual conditions of use and handling are beyond seller's control. The User is responsible to evaluate all available information when using the product for any particular use and to comply with all the current legislation.