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1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY:

PRODUCT NAME: **TURFWET**
 MANUFACTURER: Lonza NZ Ltd
 SUPPLIER NAME: Lonza NZ Ltd
 SUPPLIER ADDRESS: 13-15 Hudson Rd, Bell Block, New Plymouth, New Zealand
 SUPPLIER PHONE: +64 6 7559234 SUPPLIER FAX: +64 6 7551174
 EMERGENCY PHONE: 0800 243 622, 0800 CHEMCALL INTERNATIONAL EMERGENCY PHONE: +64 4 917 9888
 CHEMICAL FAMILY: Nonyl phenol USE: Surfactant

2. HAZARDS IDENTIFICATION:

6.1D; Harmful - may be harmful if swallowed, inhaled or absorbed through the skin.
 6.3A; Harmful - may cause skin irritation. Avoid contact with skin.
 6.4A; Harmful - may cause eye irritation. Avoid contact with eyes.
 9.3C; Harmful to terrestrial vertebrates [birds]

Refer to Section 15 for NZ EPA Requirements.

3. COMPOSITION / INFORMATION ON INGREDIENTS:

COMMON NAME:	CAS NUMBER:	CONCENTRATION %:	HAZARD CLASSIFICATIONS:
- Mixed alkyl aryl polyoxyethylene		<100	
- Inerts		<10	

4. FIRST - AID MEASURES:

EYE CONTACT: Immediately flush with flowing water for at least 15 minutes. Seek medical attention if irritation persists.
 SKIN CONTACT: Wash with plenty of soap and flowing water for at least 15 minutes while removing contaminated clothing. Wash clothing before reuse.
 INHALATION: If ill-effects occur, move to fresh air.
 INGESTION: If swallowed, rinse mouth with water immediately. DO NOT induce vomiting. Seek medical attention.
 NOTES TO DOCTOR: Temporary allergy - redness of eyes and exposed skin may occur from excessive exposure.

5. FIRE FIGHTING MEASURES:

FLASHPOINT: 240-260°C (PMCC) HAZCHEM CODE: 2 [Z]
 FLAMMABLE LIMITS: Not available
 EXTINGUISHING MEDIA: Dry chemical, water spray (fog), foam or carbon dioxide.
 THERMAL DECOMPOSITION PRODUCTS: None.
 SPECIAL FIRE FIGHTING METHODS: Addition of water may cause excessive foaming. Vapours may be toxic. Self contained breathing apparatus required. Do not allow contaminated runoff to enter drains.
 UNUSUAL FIRE OR EXPLOSION HAZARDS: None.

6. ACCIDENTAL RELEASE MEASURES:

Use appropriate protective equipment. Large spill: dike and pump as much as possible to a salvage container. Absorb the remaining liquid and any small spills with clay granules, sand or other absorbent material and sweep to a waste container. Cover the spill area with water and absorb. Minimise runoff into waterways or drains.
 Spills may be slippery and should be cleaned up immediately.

7. HANDLING AND STORAGE:

Harmful - Keep out of reach of children.
 Store in original container, tightly closed away from food, food related materials, animal feedstuffs, seed or fertilizer.
 Wear eye protection. Impervious gloves should be worn at all times.
 Wear other personal protective equipment appropriate to the situation when handling product. Wash protective clothing daily after work.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

EXPOSURE LIMITS: No exposure limits (WES, TEL, or EELs) have been specifically assigned for this product.
 EYE PROTECTION: Chemical goggles or face shield where splash may occur.
 RESPIRATORY PROTECTION: Not normally required. Exceptions: during the formation of mists or aerosols or in the case of fire.
 PROTECTIVE CLOTHING: PVC-coated gloves. Avoid skin contact. If skin contact or contamination of clothing is likely, protective clothing should be worn. Wash protective clothing daily after work.
 VENTILATION: General (mechanical) room ventilation is considered satisfactory.
 HYGIENE PRECAUTIONS: Do not eat drink or smoke while working with this product. Remove clothing that becomes soaked or contaminated and wash before reuse. Wash hands before breaks and after work. The use of a skin barrier cream is useful to give additional skin protection.

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9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE / STATE / ODOUR: Clear to light pink coloured liquid.
BOILING POINT: Not available. pH: 6.0 - 7.0.
DENSITY: 1.04 - 1.06. SETTING POINT: Not available.
DECOMPOSITION TEMP: Not applicable. AUTOIGNITION TEMP: Not applicable.
FLASHPOINT: 240 - 260°C. (PMCC) VAPOUR DENSITY: Not available.
EXPLOSION PROPERTIES: Not applicable. VAPOUR PRESSURE: Not available.
SOLUBILITY: Mixes readily with water.
OTHER DATA:
OCTANOL / WATER PARTITION COEFFICIENT: Not available.

10. STABILITY AND REACTIVITY:

CONDITIONS TO AVOID: None.
MATERIALS TO AVOID: None.
HAZARDOUS DECOMPOSITION: None.

11. TOXICOLOGICAL INFORMATION:

ACUTE ORAL:
ACUTE DERMAL:
ACUTE INHALATION:
OTHER TOXICITY INFORMATION:
6.1D; Harmful - may be harmful if swallowed, inhaled or absorbed through the skin.
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6.4A; Harmful - may cause eye irritation. Avoid contact with eyes.

12. ECOLOGICAL INFORMATION:

9.3C; Harmful to terrestrial vertebrates [birds]

13. DISPOSAL CONSIDERATIONS:

Triple rinse empty container and add rinsate to the spray tank. If recycling, discard cap and deliver clean container to an Agrecovery depot. Alternatively crush and bury in an approved landfill.
Dispose of product only by using according to this label, or at an approved disposal facility.
Avoid contamination of any water supply or stream with product or empty container.

14. TRANSPORT INFORMATION:

Proper Shipping Name: Not Classified as Dangerous Goods for Transport (Mixed alkyl aryl polyoxyethylene glycols)
UN Number: N/A UN Hazard Class: N/A
Packing Group: N/A Hazchem Code: 2 [Z]
Additional Information:

15. REGULATORY INFORMATION:

This product DOES NOT have Approved Handler, Tracking, or Record Keeping Requirements.

Approved pursuant to the HSNO Act 1996. Group Standard No: HSR002503 See <www.epa.govt.nz> for controls.

16. OTHER INFORMATION:

The data given here is based on current knowledge and experience. The purpose of this safety data sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.