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

PRODUCT NAME: **Burnout**
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: Diphenyl ether USE: Adjuvant

2. HAZARDS IDENTIFICATION:

6.3B: Harmful - may cause skin irritation. Avoid contact with skin.
6.4A: Harmful - may cause eye irritation. Avoid contact with eyes.
6.9B: Harmful - may cause organ damage from repeated oral exposure at high doses.
9.1B: Toxic to fish/aquatic organisms with long lasting effects.
9.2A: Very toxic to the soil environment [Selective herbicide].

Refer to Section 15 for NZ EPA Requirements.

3. COMPOSITION / INFORMATION ON INGREDIENTS:

| COMMON NAME: | CAS NUMBER: | CONCENTRATION %: | HAZARD CLASSIFICATIONS: |
|--------------|-------------|------------------|-------------------------|
| Inerts | | >90% | |
| Oxyfluorfen | 42874-03-3 | <10% | |

4. FIRST - AID MEASURES:

EYE CONTACT: Hold eyelids open and immediately flush eyes with flowing water for at least 15 minutes. Get prompt medical attention.

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 the victim to fresh air. If ill effects persist, seek medical assistance.

INGESTION: If swallowed, drink several glasses of water. DO NOT induce vomiting. Seek medical advice.

NOTES TO DOCTOR: Treat Symptomatically.

5. FIRE FIGHTING MEASURES:

FLASHPOINT: >100°C HAZCHEM CODE: 2X

FLAMMABLE LIMITS:

EXTINGUISHING MEDIA: Dry chemical, water spray (fog), foam or carbon dioxide.

THERMAL DECOMPOSITION PRODUCTS: Avoid the inhalation of vapours.

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. Spills may be slippery and should be cleaned up immediately. 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.

Warning this substance is toxic to aquatic organisms. Avoid contamination of any water supply with this substance or empty container.

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.
Keep from extreme heat and open flames.
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: in the case of fire or during the formation of mists or aerosols.

PROTECTIVE CLOTHING: Chemical resistant gloves should be worn when handling this product. Avoid skin contact. If skin contact or contamination of clothing is likely, protective clothing should be worn.

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: Gold to dark yellow liquid.

| | | | |
|--|-------------------|--------------------|---------------|
| BOILING POINT: | >100°C | pH: | 6 - 8 |
| DENSITY: | 0.946 | SETTING POINT: | Not available |
| DECOMPOSITION TEMP: | Not available | AUTOIGNITION TEMP: | Not available |
| FLASHPOINT: | >100°C | VAPOUR DENSITY: | Not available |
| EXPLOSION PROPERTIES: | Not applicable | VAPOUR PRESSURE: | Not available |
| SOLUBILITY: | Miscible in water | | |
| OTHER DATA: | | | |
| OCTANOL / WATER PARTITION COEFFICIENT: | Not available | | |

10. STABILITY AND REACTIVITY:

CONDITIONS TO AVOID: Keep from extreme heat and open flames.
MATERIALS TO AVOID: Strong oxidising agents. Make sure the material does not come into contact with water or acids.
HAZARDOUS DECOMPOSITION: Thermal decomposition may release ammonia, carbon monoxide and carbon dioxide and oxides of nitrogen.

11. TOXICOLOGICAL INFORMATION:

ACUTE ORAL: LD50 Rats: 8.568 g/Kg (By calculation)
ACUTE DERMAL: LD50 Rats: 8.568 g/Kg (By calculation)
ACUTE INHALATION: LC50 Rats: 25.53 mg/L (By calculation)
OTHER TOXICITY INFORMATION:
May cause skin and eye irritation. Avoid contact with skin or eyes.
May cause organ damage from repeated oral exposure at high doses.

12. ECOLOGICAL INFORMATION:

Aquatic Toxicity: Toxic to fish. LC50 Fish: 5.04 mg/L (96 hr, by calculation)
Soil Toxicity: DT50; 292 days. [Oxyflorfen tech.]
Terrestrial Vertebrates - Birds: Not toxic to birds.
Terrestrial Invertebrates - LD50 Avian: 55 g/Kg (By calculation)

Toxic to fish/aquatic organisms with long lasting effects. Avoid contamination of any water supply with this product or empty container.

9.2A: Very toxic to the soil environment. Selective herbicide - very toxic to some plant species (certain plants may be killed or damaged from root uptake of this product). Oxyfluorfen is residual in soil.

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 a 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: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (Oxyfluorfen)
UN Number: 3082 UN Hazard Class: 9
Packing Group: III Hazchem Code: 2X
Additional Information:

15. REGULATORY INFORMATION:

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

Approved pursuant to the HSNO Act 1996. NZ EPA Approval Code: HSR002503 See <www.epa.govt.nz> for controls.
Exempt from ACVM Registration.

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 product's properties.