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

PRODUCT NAME: **NEEKO OLEO**  
 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: Sulfonylurea USE: Herbicide

## 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.  
 9.1A; Very toxic to aquatic organisms/fish 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:
Nicosulfuron	111991-09-4	< 10 %	
Inerts		Balance	

## 4. FIRST - AID MEASURES:

EYE CONTACT: Immediately flush with flowing water for at least 15 minutes. Seek medical attention if irritation persists.  
 SKIN CONTACT: Immediately flush with plenty of water while removing contaminated clothing. DO NOT scrub the skin. Continue for at least 15 minutes. Wash clothing before reuse.  
 INHALATION: If ill-effects occur, move the victim to fresh air. If ill-effects persist, consult a doctor.  
 INGESTION: If swallowed, rinse mouth with water immediately. DO NOT induce vomiting. Seek medical attention.  
 NOTES TO DOCTOR: No specific antidote. Treat symptomatically.

## 5. FIRE FIGHTING MEASURES:

FLASHPOINT: Not Applicable. HAZCHEM CODE: 2X  
 FLAMMABLE LIMITS:  
 EXTINGUISHING MEDIA: Dry chemical, water spray (fog), foam or carbon dioxide.  
 THERMAL DECOMPOSITION PRODUCTS: Carbon oxides, nitrogen oxides.  
 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:

Warning this substance is very toxic to aquatic organisms. Avoid contamination of any water supply with this substance or empty container.  
 Use appropriate protective equipment. Clear area of unnecessary personnel. 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.

## 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.  
 Wash protective clothing daily after work.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

EXPOSURE LIMITS: No exposure limits (TEL, or EEL's) 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: If skin contact or contamination of clothing is likely, protective clothing should be worn eg; Impervious gloves, overalls and boots.  
 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: Light Tan Suspension.  
BOILING POINT: Not Available. pH: 4 - 7  
DENSITY: 0.94 SETTING POINT: Not Available.  
DECOMPOSITION TEMP: Not Available. AUTOIGNITION TEMP: Not Applicable.  
FLASHPOINT: Not Applicable. VAPOUR DENSITY: Not Available.  
EXPLOSION PROPERTIES: Not Applicable. VAPOUR PRESSURE: Not Available.  
SOLUBILITY: Soluble in water.  
OTHER DATA: None  
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:  
May cause skin and eye irritation. Avoid contact with skin or eyes.

**12. ECOLOGICAL INFORMATION:**

Aquatic Toxicity: LC50 (96h) fish 0.42 mg/L (by calculation).  
Soil Toxicity: LC50 Eisenia foetida; >1000 mg/kg dry soil [Nicosulfuron tech]  
Soil DT50 (aerobic, pH 6.1, 25 °C); 26 days. [Nicosulfuron tech]

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

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). Not toxic to earthworms.

**13. DISPOSAL CONSIDERATIONS:**

Dispose of this product only by using according to the label. Triple rinse container and add rinsate to spray tank. Crush or puncture cleaned, empty containers and dispose of container at an approved landfill or Agrecovery Depot. Avoid contamination of any water supply or stream with this product or empty container.

**14. TRANSPORT INFORMATION:**

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (Nicosulfuron)  
UN Number: 3082 UN Hazard Class: 9  
Packing Group: III Hazchem Code: 2X  
Additional Information: Do not carry more than 1 L of this product on a passenger service vehicle

**15. REGULATORY INFORMATION:**

APPROVED HANDLER: Neeko Oleo must be under the personal control of an approved handler when the product is -  
[a] applied in a wide dispersive manner; or  
[b] used by a commercial contractor

The maximum application rate of Neeko Oleo shall be 1.3 L/ha [0.078 kg ai/ha], with a frequency of application of no more than once per season.

Neeko Oleo shall NOT be applied onto or into water.

RECORD KEEPING: A written record of use is required if 3 kg or more of this product is used within 24 hours in a place where:  
a) public may lawfully be present; or  
b) the substance is likely to enter air or water supply and leave the place where it is under control.  
The information must be kept for a minimum of three [3] years.

Approved pursuant to the HSNO Act 1996. NZ EPA Approval Code: HSR007869 See <www.epa.govt.nz> for controls.  
Registered pursuant to the ACVM Act 1997. ACVM Pesticide No: P007715 See <www.nzfsa.govt.nz> for registration conditions.

**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.