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

PRODUCT NAME: **Headland Ksolve**  
 MANUFACTURER: Headland Agrochemicals  
 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: USE: Fertiliser

## 2. HAZARDS IDENTIFICATION:

This product has no classification under CLP.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS:

COMMON NAME:	CAS NUMBER:	CONCENTRATION %:	HAZARD CLASSIFICATIONS:
Potassium thiosulphate	10294-66-3	< 15	
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: Avoid inhalation of spray or mists which may be irritating. Remove to a source of fresh air and seek medical advice.  
 INGESTION: If swallowed, rinse mouth with water immediately. DO NOT induce vomiting. Seek medical attention.  
 NOTES TO DOCTOR: Ingestion may irritate digestive tract. Avoid lung aspiration. Treat symptomatically.

## 5. FIRE FIGHTING MEASURES:

FLASHPOINT: Not applicable. HAZCHEM CODE: 2 [Z]  
 FLAMMABLE LIMITS:  
 EXTINGUISHING MEDIA: Dry chemical, water spray (fog), foam or carbon dioxide.  
 THERMAL DECOMPOSITION PRODUCTS: In combustion emits toxic fumes.  
 SPECIAL FIRE FIGHTING METHODS: Use self-contained breathing apparatus.  
 UNUSUAL FIRE OR EXPLOSION HAZARDS: None.

## 6. ACCIDENTAL RELEASE MEASURES:

Spills may be slippery and should be cleaned up immediately. Clear area of unnecessary personnel. 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. It may be disposed of as an industrial waste in a manner acceptable to good waste management practice in a land fill and in compliance with all regulations.

## 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 or seed.  
 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: Avoid contact with eyes. Wear a face shield or full chemical workers goggles when there is a risk of a splash.  
 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. Wear other protective clothing such as waterproof hat, coat and trousers (worn outside rubber boots) when using. 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:	Pale yellow liquid		
BOILING POINT:	Not available.	pH:	7 - 9
DENSITY:	1.46	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:	Miscible in water.		
OTHER DATA:			
OCTANOL / WATER PARTITION COEFFICIENT:	Not available.		

**10. STABILITY AND REACTIVITY:**

CONDITIONS TO AVOID: Product is stable under normal temperatures and pressures.  
 MATERIALS TO AVOID: Avoid acids and strong oxidising agents. Incompatible with lead or mercury and their alloys.  
 HAZARDOUS DECOMPOSITION: None known.

**11. TOXICOLOGICAL INFORMATION:**

ACUTE ORAL: Acute oral LD50; >2000 mg/kg.bw [by calculation]  
 ACUTE DERMAL: Acute dermal LD50; >4000 mg/kg.bw [by calculation]  
 ACUTE INHALATION:  
 OTHER TOXICITY INFORMATION:

Skin corrosion/irritation:	No information available.
Serious eye damage/eye irritation:	No information available.
Sensitisation:	No information available.
Mutagenicity:	No information available.
Carcinogenicity:	No information available.
Reproductive toxicity:	No information available.
STOT - single exposure:	No information available.
STOT - repeated exposure:	No information available.

Skin contact: There may be mild irritation at the site of contact.  
 Eye contact: There may be irritation and redness.  
 Ingestion: There may be irritation of the throat. Aspiration of vomit may cause lung irritation.  
 Inhalation: No symptoms.

**12. ECOLOGICAL INFORMATION:**

Not likely to be toxic to the environment.  
 Has no bioaccumulation potential.

**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	(Potassium thiosulphate)
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.  
 Not Regulated by NZ EPA.

**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.