

Material Safety Data Sheet

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

PRODUCT NAME: **ALPASSO**
MANUFACTURER: Zelam Ltd
SUPPLIER NAME: Zelam 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 3 353 0199
CHEMICAL FAMILY: Neonicotinoid USE: Insecticide

2. HAZARDS IDENTIFICATION:

6.1D; Harmful - may be harmful if swallowed, inhaled or absorbed through the skin.
6.7B; Harmful - suspected of causing cancer
6.8B; Harmful - may cause reproductive/development damage from repeated oral exposure.
6.9B; Harmful - may cause organ damage from repeated oral exposure at high doses.
9.1A; Very toxic to fish with long-lasting effects. Avoid contamination of any water supply with product or empty container.
9.2C; Harmful to the soil environment.
9.3B; Toxic to terrestrial vertebrates [birds].
9.4C; Harmful to terrestrial invertebrates [bees].
Refer to Section 15 for NZ EPA Requirements.

3. COMPOSITION / INFORMATION ON INGREDIENTS:

COMMON NAME:	CAS NUMBER:	CONCENTRATION %:	HAZARD CLASSIFICATIONS:
Thiacloprid	111988-49-9	<50 %	
Inerts		<20 %	
Water		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: Wash with plenty of soap and flowing water for at least 15 minutes while removing contaminated clothing. Wash clothing before reuse.
INHALATION: If inhaled, move the victim to fresh air immediately. Begin artificial respiration if breathing has stopped. Use mouth to nose rather than mouth to mouth. Obtain medical attention.
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:	No data		
EXTINGUISHING MEDIA:	Water spray (fog), foam or carbon dioxide.		
THERMAL DECOMPOSITION PRODUCTS:	May release hydrogen chloride, hydrogen cyanide, carbon monoxide and carbon dioxide and oxides of nitrogen.		
SPECIAL FIRE FIGHTING METHODS	Vapours may be toxic. Self contained breathing apparatus required. Do not allow contaminated run-off to enter drains.		
UNUSUAL FIRE OR EXPLOSION HAZARDS:			

6. ACCIDENTAL RELEASE MEASURES:

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 under lock and key, away from food stuffs and in accordance with NZS 8409 - Management of Agrichemicals.
Wear eye protection. Impervious gloves should be worn at all times when handling.
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: When mixing or applying and skin contact or contamination of clothing is likely, protective clothing, including impervious gloves and footwear, 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:	White suspension		
BOILING POINT:	Not available	pH:	6 - 8
DENSITY:	1.15	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:	None.		
MATERIALS TO AVOID:	None.		
HAZARDOUS DECOMPOSITION		Thermal decomposition may release hydrogen chloride, hydrogen cyanide, carbon monoxide and carbon dioxide and oxides of nitrogen.	

11. TOXICOLOGICAL INFORMATION:

ACUTE ORAL:	LD50 Rats: 985 mg/Kg (by calculation)		
ACUTE DERMAL:	LD50 Rats: >4500 mg/Kg (by calculation)		
ACUTE INHALATION:			
OTHER TOXICITY INFORMATION:			
	May be harmful if swallowed, inhaled or absorbed through the skin.		
	Harmful - suspected of causing cancer. May cause reproductive/development damage from repeated oral exposure and may cause organ damage from repeated oral exposure at high doses.		

12. ECOLOGICAL INFORMATION:

Aquatic Toxicity: LC50 (96h) rainbow trout;	66 mg/L (by calculation).
Soil Toxicity - Soil DT50;	7 -21 days
Terrestrial Vertebrates - Birds: LD50 birds;	110 mg/kg (by calculation).
Terrestrial Invertebrates - Bees: LD50;	39 µg/bee (by calculation).

Very toxic to fish with long-lasting effects. Avoid contamination of any water supply with product or empty container.
Harmful to the soil environment.
Toxic to terrestrial vertebrates [birds].
Harmful to terrestrial invertebrates [bees].

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 suitable 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 (Thiacloprid)		
UN Number:	3082	UN Hazard Class:	9
Packing Group:	III	Hazchem Code:	2X
Additional Information:			

15. REGULATORY INFORMATION:

APPROVED HANDLER: The product shall be under the personal control of an approved handler when:
a) the product is applied in a wide dispersive manner; or
b) used by a commercial contractor.

This product shall NOT be applied onto or into water.

RECORD KEEPING: A written record of use is required if 3 kg or more of the 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 and leave the place.
The information must be kept for a minimum of three [3] years.

This product DOES NOT have Tracking Requirements.

Approved pursuant to the HSNO Act 1996. NZ EPA Approval Code: HSR000715 See <www.epa.govt.nz> for controls.
Registered pursuant to the ACVM Act 1997. ACVM Pesticide No: P008063 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.