

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

PEND-X

SUPPLIER NAME: Zelam Limited
SUPPLIER CODE: None
SUPPLIER ADDRESS: Hudson Road, Bell Block, New Plymouth, New Zealand
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CHEMICAL FAMILY: Dinitroaniline USE: Herbicide

2. COMPOSITION / INFORMATION ON INGREDIENTS:

COMMON NAME:	CAS NUMBER:	CONCENTRATION %:	HAZARD CLASSIFICATIONS:
Aromatic Solvent		Balance	Class 3, 6, 9.
Inerts		10%	
Pendimethalin	40487-42-1	40%	Class 6, 9.
Surfactants (proprietary)		15%	

3. HAZARDS IDENTIFICATION:

Warning - combustible liquid.
Harmful - may be harmful if swallowed, inhaled or absorbed through the skin.
Harmful - may cause skin sensitisation from prolonged skin contact. Avoid skin contact.
Harmful - may cause organ damage from repeated oral exposure at high doses.
Very toxic to fish/aquatic organisms with long-lasting effects. Avoid contamination of any water supply with product or empty container.
Very Toxic to the soil environment.
Refer to Section 15 for ERMA Requirements.

4. FIRST - AID MEASURES:

EYE CONTACT: Immediately flush with flowing water for at least 15 minutes. Get prompt medical attention.
SKIN CONTACT: Immediately flush with plenty of water while removing contaminated clothing. Continue for at least 15 minutes. Do not scrub the skin. 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, DO NOT induce vomiting. Give nil by mouth. Take to hospital without delay.
NOTES TO DOCTOR: No specific antidote.

5. FIRE FIGHTING MEASURES:

FLASHPOINT: > 61°C. HAZCHEM Code: 2X
FLAMMABLE LIMITS: Not Applicable.
EXTINGUISHING MEDIA: Dry chemical, water spray (fog), foam or carbon dioxide.
THERMAL DECOMPOSITION PRODUCTS: Vapours may be toxic.
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: None.

6. ACCIDENTAL RELEASE MEASURES:

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

7. HANDLING AND STORAGE:

Store in original container, tightly closed away from foodstuffs. Wear gloves while handling, avoid skin contact.
Wash protective clothing daily after work.
Harmful - Keep out of reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

EXPOSURE LIMITS: Not established by OSHA.
EYE PROTECTION: Chemical goggles or face shield where splash may occur.
RESPIRATORY PROTECTION: Transfer or mix with adequate ventilation. Air respirator with organic vapour canister or self contained breathing apparatus when exposed to vapours from heated material.
PROTECTIVE CLOTHING: PVC-coated gloves. Avoid skin contact.
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.

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE / STATE / ODOUR: Dark amber yellow liquid.

BOILING POINT:	184 °C	pH:	Not Applicable.
DENSITY:	1.00.	SETTING POINT:	Not Applicable.
DECOMPOSITION TEMP:	Not Available.	AUTOIGNITION TEMP:	Not Available.
FLASHPOINT:	> 61 °C	VAPOUR DENSITY:	Heavier than air.
EXPLOSION PROPERTIES:	Not Applicable.	VAPOUR PRESSURE:	Not Available.
SOLUBILITY:	Soluble in water.		
OTHER DATA:			
OCTANOL / WATER PARTITION COEFFICIENT:	Not Available.		

10. STABILITY AND REACTIVITY:

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

11. TOXICOLOGICAL INFORMATION:

ACUTE ORAL: LD50 - 3956 mg/kg b.w (by calculation)
ACUTE DERMAL:
ACUTE INHALATION:
OTHER TOXICITY INFORMATION: 6.1D; Harmful - may be harmful if swallowed, inhaled or absorbed through the skin.
6.5B; Harmful - may cause skin sensitisation from prolonged skin contact. Avoid skin contact.
6.9B; Harmful - may cause organ damage from repeated oral exposure at high doses.

12. ECOLOGICAL INFORMATION:

Aquatic Toxicity: Very toxic to fish. LC50 for Rainbow trout: 0.14 mg/L.
Soil Toxicity: Very toxic to the soil environment.
Terrestrial Vertebrates - Birds: Not toxic to birds.
Terrestrial Invertebrates - Bees: Not toxic to bees.

9.1A; Very 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).

13. DISPOSAL CONSIDERATIONS:

Triple rinse container and add rinsate to spray tank. 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	UN Hazard Class:	9.
UN Number:	3082	Packing Group:	III
Hazchem Code:	2X		
Additional Information:	Contains Pendimethalin.		

15. REGULATORY INFORMATION:

APPROVED HANDLER: An approved handler is required when the substance is applied:

- In a widely dispersive manner.
- By a commercial contractor.
- Directly onto or into the water.

The approved handler must have the product under personal control at all times or it must be locked up. However if an approved handler is present at the facility where the substance is being handled, or the approved handler has provided guidance to the person in respect to the handling of the product and is present at all times a non approved handler may handle the product.

RECORD KEEPING; Record keeping is required if more than 3 Kg is used within 24 hours in a place where 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.

See the ERMA Website for more details: www.ermanz.govt.nz
ERMA Approval Code: HSR000551.
ACVM Pesticide Number: P005835.

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.