

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

DIAZINON 800 EC

SUPPLIER NAME: Zelam Limited
MANUFACTURER: Zelam Limited
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CHEMICAL FAMILY: Organophosphate. USE: Insecticide.

2. COMPOSITION / INFORMATION ON INGREDIENTS:

COMMON NAME:	CAS NUMBER:	CONCENTRATION %:	HAZARD CLASSIFICATIONS:
Aromatic solvents and emulsifiers	64742-94-5	Balance	
Diazinon 95%	333-41-5	> 87%	Class 6, 9.
Inerts		Balance	

3. HAZARDS IDENTIFICATION:

Toxic - may be fatal if swallowed, inhaled or absorbed through the skin.
Harmful - may cause skin irritation and eye irritation. Avoid contact with skin or eyes.
Harmful - may cause eye irritation. Avoid contact with eyes.
Harmful - may cause reproductive/development damage from repeated oral exposure.
Toxic - may cause organ damage from repeated oral exposure at high doses.
Very toxic to fish with long-lasting effects. Avoid contamination of any water supply with product or empty container.
Harmful to the soil environment.
Very Toxic to terrestrial vertebrates [birds].
Very Toxic to terrestrial invertebrates [bees].
Refer to Section 15 for ERMA Requirements.

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: 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 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: Treat Symptomatically. Cholinesteratase inhibitor. Atropine is the specific antidote.

5. FIRE FIGHTING MEASURES:

FLASHPOINT: Not Available. HAZCHEM Code: 2X
FLAMMABLE LIMITS: Not Available.
EXTINGUISHING MEDIA: Dry chemical, water spray (fog), foam or carbon dioxide.
THERMAL DECOMPOSITION PRODUCTS: Vapours will be toxic. Thermal decomposition may release oxides of phosphorous, sulphur, nitrogen and carbon.
SPECIAL FIRE FIGHTING METHODS: Self contained breathing apparatus required. Do not allow contaminated run-off to enter drains.
UNUSUAL FIRE OR EXPLOSION HAZARDS: None.

6. ACCIDENTAL RELEASE MEASURES:

For major spills use full protective chemical suit and self contained breathing apparatus. Clear the area of 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 alkaline detergent or alkaline absorbent (sodium carbonate or bicarbonate) and absorb. Minimise runoff into waterways or drains.

7. HANDLING AND STORAGE:

Toxic - Keep out of reach of children. Store in a well ventilated place in properly labelled containers, tightly closed under lock and key, away from food stuffs. Keep product away from extreme heat.
Wear 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 (TEL, or EEL's) have been specifically assigned for this product.
WES set for Diazinon tech - 0.1mg/m³ [skin]
EYE PROTECTION: Avoid contact with eyes. Chemical goggles or face shield where splash may occur.
RESPIRATORY PROTECTION: Avoid breathing in vapours, aerosol or mist from the product. Use an appropriate respirator if exposed to the vapours, aerosol or mist from the product. For short term exposure to mists and aerosols use a mask and filter eg. Filter A-P2 or a filter canister for organic vapours.
PROTECTIVE CLOTHING: Wear protective clothing such as impervious gloves, waterproof hat, coat and trousers (worn outside rubber boots) when using. Wash protective clothing daily after work. 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: Gold coloured liquid. with distinctive odour
BOILING POINT: Not Available pH: 6.8.
DENSITY: 0.977 SETTING POINT: Not Available.
DECOMPOSITION TEMP: Not Available. AUTOIGNITION TEMP: Not Available.
FLASHPOINT: Not Available. VAPOUR DENSITY: Not Available.
EXPLOSION PROPERTIES: Not Applicable. VAPOUR PRESSURE: 0.012 Pa @ 25°C.
SOLUBILITY: Dispersible in water.
OTHER DATA: None.
OCTANOL / WATER PARTITION COEFFICIENT: LogP: 3.30.

10. STABILITY AND REACTIVITY:

CONDITIONS TO AVOID: Extreme heat.
MATERIALS TO AVOID: Strong Oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS: None.

11. TOXICOLOGICAL INFORMATION:

ACUTE ORAL: LD50 for rats 1250 mg/kg. LD50 for mice 80 - 135 mg/kg.
ACUTE DERMAL: LD50 for rabbits 540 - 650 mg/kg.
ACUTE INHALATION: LC50 for rats, mouse 1600 - 3500 mg/m³ for four hours.
OTHER TOXICITY INFORMATION: NOEL 90d for rats 0.1 mg/kg.
6.1C; Toxic - may be fatal if swallowed, inhaled or absorbed through the skin.
6.3A; Harmful - may cause skin irritation. Avoid contact with skin.
6.4A; Harmful - may cause eye irritation. Avoid contact with eyes.
6.8B; Harmful - may cause reproductive/development damage from repeated oral exposure.
6.9A; Toxic - may cause organ damage from repeated oral exposure at high doses.

12. ECOLOGICAL INFORMATION:

Aquatic Toxicity: Very toxic to fish. Aquatic LC50: For rainbow trout 2.6 - 3.2 mg/L.
Soil Toxicity: Slightly harmful to worms. Soil half life: DT50c. 11 - 21 d.
Terrestrial Vertebrates - Birds: Very toxic to birds.
Terrestrial Invertebrates - Bees: Very toxic to bees.
9.1A; Very toxic to fish with long-lasting effects. Avoid contamination of any water supply with product or empty container.
9.2D; Harmful to the soil environment.
9.3A; Very Toxic to terrestrial vertebrates [birds].
9.4A; Very Toxic to terrestrial invertebrates [bees]. Spray must not contact plants in flower if they are likely to be visited by bees.

13. DISPOSAL CONSIDERATIONS:

Dispose of this product only by using according to the label, and rinse container until water is clear before disposal at an approved landfill or Agrecovery Depot. Avoid contamination of any water supply or stream with product or empty container.

14. TRANSPORT INFORMATION:

Proper Shipping Name: ORGANOPHOSPHORUS PESTICIDE LIQUID TOXIC. UN Hazard Class: 6.1
UN Number: 3018 Packing Group: III
Hazchem Code: 2X
Additional Information: Contains Diazinon.

This substance is not to be transported on passenger service vehicles and must be delivered to a secure shed. Note: A private car is not considered a passenger service vehicle.

15. REGULATORY INFORMATION:

APPROVED HANDLER: This product must be stored under the personal control of an approved handler 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.

This product shall NOT be applied onto or into water.

TRACKED SUBSTANCE: This is a tracked substance, the location and movement of this substance must be recorded at each stage of the products life cycle by the approved handler. These records must be kept for at least three years. The person in charge must ensure all approved handler and appropriate hazard classifications are met on transfer of this product.

RECORD KEEPING: A written record of each application or discharge must be kept where either: a) The public may lawfully be present. b) The substance is likely to enter the air or water and leave the place. c) If more than 3 Kg is applied within 24 hours in a place where the substance is likely to enter the air or water and leave the place.

ERMA Approval Code: HSR000183. ACVM Pesticide Number: P005609.
See the ERMA Website for more details: www.ermanz.govt.nz

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.