

# MATERIAL SAFETY DATA SHEET

## COMPANY DETAILS:

### Western Stock Distributors

17 Rheola Street  
West Perth WA 6005

Telephone: (08) 93212888

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## STATEMENT OF HAZARDOUS NATURE:

Hazardous according to criteria of Worksafe Australia.

## I IDENTIFICATION

Product Name : WSD DIAZINON for SHEEP, CATTLE, GOATS AND PIGS  
Shipping Name (ADG Code) : Organophosphorus Pesticides, Liquid, Toxic, N.O.S. (contains Diazinon)  
UN No. : 3018  
Dangerous Goods Class : 6.1  
Sub Risk Class : None allocated  
Packaging Group : III  
Hazchem Code : 2X  
Poison Schedule : S6  
Chemical Class : Preparation containing an organophosphate  
Formulation Type : Emulsifiable concentrate

Uses : For the control and protection against lice and ked, blowfly strike and as a blowfly dressing for sheep; for the control of lice on cattle, lice on goats, and mange and lice on pigs.

## Physical appearance & Properties:

Appearance : Clear yellow-brown coloured liquid  
Vapour pressure (20°C) : Not available  
Percentage volatile materials : Not available  
Flashpoint (°C) : >61° C  
Flammability : Combustible  
Specific gravity : 0.95 approximately  
Solubility in water : Emulsifiable

## Ingredients:

Component	Chemical Abstract Number	% (w/v)
Diazinon	333-41-5	20
Alkylbenzene sulphonate	Secret	<10
Alkyl phenol alkylene oxide condensate	Secret	<10
Epoxidised vegetable oil	Secret	<10
Aromatic naphtha liquid petroleum hydrocarbon	64742-94-5	>60

This is a commercial product, and the exact ratio of components may vary. Trace quantities of impurities are also likely.

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## **II HEALTH HAZARD DATA**

### **Health Effects:**

The active ingredient, diazinon, can be rapidly absorbed through the skin. Poisoning may occur due to cholinesterase inhibition. Acute overexposure to organophosphate pesticides may lead to nausea, diarrhoea, salivation, dripping nose, stomach cramps, sweating, twitching, confusion, blurred vision, breathing difficulties and high pulse rate.

### **Acute Effects:**

Ingestion: Moderately toxic if swallowed. Diazinon technical LD<sub>50</sub> Oral (rat) 300-400 mg/kg

Eye contact: May be an eye irritant.

Skin contact: Slightly toxic if product is absorbed through the skin. Diazinon technical LD<sub>50</sub> Dermal (rat) is >2150 mg/kg. Contact with skin may result in irritation.

Inhalation: Slight toxicity due to inhalation of the product. Inhalation of the mist may produce respiratory irritation.

### **First Aid:**

Ingestion: If swallowed or if symptoms of poisoning develop, contact a doctor or Poisons Information Centre. (Phone: 13 1126)

Give one atropine tablet (0.6 mg) every five minutes until dryness of the mouth occurs. Get to a doctor or hospital quickly.

Eye contact: If this product comes into contact with eyes, hold eyes open and wash with running water for at least 15 minutes. In all cases of eye contamination it is sensible to seek medical advice. If poisoning occurs give atropine tablets (0.6 mg) as above. Get to a doctor or hospital quickly.

Skin contact: Wash contaminated skin with plenty of soap and water. Remove contaminated clothing and wash before re-use. If irritation occurs seek medical advice.

If poisoning occurs give atropine tablets (0.6 mg) as above. Get to a doctor or hospital quickly.

Inhalation: Remove the victim from exposure - avoid becoming a casualty. Keep at rest until fully recovered. If the effects persist, seek medical advice.

If poisoning occurs give atropine tablets (0.6 mg) as above. Get to a doctor or hospital quickly.

### **Advice to doctor:**

Treat as a cholinesterase inhibitor. Atropine sulphate is antidotal.

Note that the product contains petroleum like solvents and the benefits of inducing vomiting must be weighed against the possibility of chemical pneumonitis.

## **III PRECAUTIONS FOR USE**

### **Always Read and Follow the Label Instructions and Warnings**

Risk Phrases: R22 – Harmful if swallowed.

R65 – Harmful: may cause lung damage if swallowed.

### **Exposure Standards:**

The Time Weighted Average (TWA) concentration for an 8 hour day/5 day week for diazinon is 0.1 mg/m<sup>3</sup>. The Acceptable Daily Intake (ADI) for diazinon is set at 1 µg/kg/day. The corresponding No-Observable-Effect-Level (NOEL) is set at 0.1 mg/kg/day. (Australian ADI List, May 1998). No exposure standards have been set for the other ingredients.

### **Engineering Controls:**

In industrial situations, air concentrations below the TWA value should be maintained, otherwise use respiratory protection. Natural ventilation should be adequate under normal use conditions. If the air concentration of vapour or mist is high, the process should be modified to reduce the problem.

**Personal protection:**

Avoid skin and eye contact. Do not inhale the vapour or mist.

Wear cotton overalls buttoned to the neck and wrist, safety boots, eye protection, a washable hat and impervious elbow-length PVC gloves when using this product.

After handling this product, always wash hands before smoking, eating, drinking or using the toilet.

Wash contaminated clothing or other personal protective equipment before storing or re-using.

Respiratory Protection: If there is a risk of inhalation of spray mists, wear a mask or respirator meeting the requirements of AS/NZS 1715.

Protective Gloves: Impermeable protective gloves should be worn when using this product. For help in selecting suitable equipment, consult AS 2161.

Eye Protection: It is good industrial practice to always use protective eyewear. For help in selecting suitable equipment, consult AS 1336 and AS/NZS 1337.

**Flammability:**

The product is not flammable but the solvent is classified as a C1 (Combustible Liquid)

**IV SAFE HANDLING INFORMATION**

Safety Phrases: S23 – Do not breathe vapour.

S24/25 – Avoid contact with skin or eyes.

S62 – If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

**Storage & Transport:**

Observe all relevant regulations regarding sale, transport and storage of this class of product.

This product is classified as a dangerous good in accordance with the Australian Code for the Transport of Dangerous Goods by Road and Rail. (Shipping Name – Organophosphorus Pesticides, Liquid, Toxic, N.O.S.; UN Number - 3018; Dangerous Goods Class – 6.1 toxic).

The product is a S6 Scheduled Poison and is classified as a C1 (Combustible Liquid) for the purposes of storage and transport, in accordance with the requirements of AS 1940. Refer to State Regulations for storage and transport requirements.

Store below 30°C (room temperature) in the closed, original container, in a dry, well-ventilated area, and protect from sunlight. Keep away from extreme heat and open flames.

**Spills and disposals:**

In the event of a major spill, prevent the spillage from entering drains or waterways. Wear overalls, respirator, eye protection and impervious gloves to prevent skin and eye contamination, and inhalation of fumes. Stop the leak if safe to do so, and contain the spill using sand or soil. Absorb onto inert material (sand, soil or other inert material). Collect and seal in properly labelled drums for disposal.

After a spill, wash the area, preventing the run-off entering the drain.

Wash all contaminated clothing and equipment before re-use.

Dispose of in compliance with Local, State and Federal Regulations.

**Fire/Explosion Hazard:**

There is a slight risk of an explosion from this product if it is involved in a fire.

Flammability: This product is not flammable but is combustible.

Extinguishing Media: Use an extinguishing media suited to the materials that are burning.

Special Fire fighting Procedures: Fire decomposition products from this product may form toxic mixtures in confined spaces. Likely to decompose only after heating to dryness followed by further strong heating. When fighting a major fire wear an air supplied respirator.

Stability: This product is unlikely to spontaneously decompose.

Polymerisation: This product is unlikely to spontaneously polymerise.

Decomposition Products: On decomposition will emit small quantities of carbon dioxide and if combustion is incomplete, carbon monoxide and smoke; nitrogen, possibly oxides of nitrogen; and oxides of sulphur. Likely to decompose only after heating to dryness followed by further strong heating.

Materials to avoid: Strong oxidising agents.

## **V OTHER INFORMATION**

Contact Points:

**Police and Fire Brigade:**

**Dial 000**

**National Poisons Information Centre:**

**Dial 13 1126 (from anywhere in Australia)**

SPECIALIST COMPANY ADVICE:-

**Western Stock Distributors**

17 Rheola St

West Perth WA 6005

Phone:- (08) 9321 2888

Fax :- (08) 9322 4163

This Material Safety Data Sheet summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to insure that an appropriate risk assessment can be made, the user should contact this company.