

Material Safety Data Sheet

DIAZINON 800

This Product is Harmful if Swallowed. It is Designated a Hazardous Substance by the National Occupational Health & Safety Commission

PCT International
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IDENTIFICATION

Product Name:	Diazinon 800
UN No.:	3018
Dangerous Goods Class:	6.1
Hazchem Code:	2 WE
Poison Schedule:	S6
Packaging Group:	111
Use:	Insecticide

Physical Description/Properties:

Appearance:	Yellow brown liquid
Odour:	Strong to objectionable
Corrosiveness:	Non-Corrosive
Specific Gravity:(H ₂ O=1)	about 1.08 (20 degrees C)
Flash Point:	>61degreesC (closed cup)
Combustible:	Class 3.3-combustible
Flammability Limits:	Non-Flammable
Behaviour in Water:	Emulsifiable

Ingredients:

Chemical Name	CAS No.:	Proportion:
Diazinon (technical) to give diazinon	333-41-5	800g/L
Diesel distillate a petroleum hydrocarbon		< 300g/L

HEALTH HAZARD INFORMATION

Health effects

The active ingredient, diazinon, can be rapidly absorbed through skin. Poisoning may occur due to cholinesterase inhibition.

Acute if Ingested:	Based on the toxicity of comparable overseas formulation to rats this product is moderately toxic following single doses.
Eye:	Based on studies with rabbits - slight irritant
Skin:	Slight irritant - Diazinon technical did not induce a sensitisation reaction in guinea pigs. The sensitising potential of the hydrocarbon liquid is not known.
Inhalation:	Slight toxicity - tests on mice using diazinon technical indicate a slight toxicity to humans due to inhalation of undiluted product. (LD50 (4h), undiluted product = 2000mg/m ³)

First Aid:

Ingested:	If poisoning occurs, contact a doctor or Poisons Information Centre on 13 11 26 (Australia wide). If more than 15 minutes from emergency medical care, induce vomiting preferably using Ipecac Syrup APF and give one atropine tablet (0.5mg) every 5 minutes until dryness of mouth occurs, Note: Care must be taken to avoid the patient breathing the stomach contents into the lungs.
Eye:	Flush with large quantities tap water for at least 15 minutes. If poisoning occurs give atropine tablets (0.5mg) as above.
Skin:	Remove contaminated clothing and wash affected areas thoroughly with soap and water. If poisoning occurs give atropine tablets (0.5mg) as above. Launder clothing before re-use.
Inhaled:	Move affected person to fresh air and keep at rest until recovered. If poisoning occurs give atropine tablets (0.5mg) as above.
Advice to Doctor:	Treat as Cholinesterase inhibitor. Atropine sulphate is antidotal.
Poisoning Symptoms:	These are typical of organophosphate pesticides - nausea, diarrhoea, dripping nose and mouth, excessive salivation, stomach cramps, excessive sweating, trembling, loss of muscle co-ordination, muscle twitches, weakness, mental confusion, blurred vision, breathing difficulties, rapid pulse, pin-point pupils.

PRECAUTIONS FOR USE**Exposure Standards:**

Diazinon:	Occupational Exposure Standard (Worksafe) 0.1mg.m3 of air (8 h time weighted average).
Exposure Potential:	Swallowing is unlikely under normal conditions of usage. Inhalation of spray mist is a possible route of exposure. Harmful quantities of diazinon may be absorbed through skin that comes into direct contact with the product. This product is diluted with water prior to use as a spray. This diluted form is less toxic by all routes of exposure.

Personal Protection:

Eyes:	Eye protection should be worn when splashing is possible. Wear splash proof goggles or a full face shield. Consult AS 1336 and 1337. If product in eyes, wash it out immediately with water.
Clothing:	When opening the container and preparing spray wear cotton overalls buttoned to the neck and wrist. Wear a washable hat. Consult AS 2919. If clothing becomes contaminated with product, or wet with spray remove clothing <u>immediately</u> . If product or spray gets on skin, immediately wash area with soap and water.
Gloves:	Avoid skin contact. Wear gauntlet style chemical protective gloves made of rubber or neoprene PVC. Inspect regularly for leaks. Consult AS 2161.
Respiratory:	Do not breathe vapour/spray/fumes. Use an organic-chemical cartridge respirator when working in poorly ventilated areas or where there is potential for spray mist, splashing or vapours. Consult AS 1715.
Other:	Do not eat, drink or smoke until after washing. Wash thoroughly after handling. After each days use wash personal protection equipment, including gloves, goggles or face shield, respirator face piece and contaminated clothing.

SAFE HANDLING INFORMATION

Engineering Controls:	No special requirements.
Storage and Transport:	Store in tightly sealed original containers in a dry secure place away from fertilisers, seed, feed and food. Store out of direct sunlight. Keep out of reach of children, unauthorised persons and animals. Store and transport according to the requirements for a Class 6.1 dangerous good.
Fire/Explosion Hazard:	This product is non-flammable and non-explosive. Product is combustible. Extinguish warehouse and factory fires using fine water spray or foam. Do not allow fire-water to enter drains. Product may release smoke and hazardous decomposition products. For fighting major fires wear air supplied respirator.
Spills and Disposal:	<p>In the case of spillage contain and absorb spilled material with absorbent material such as sand, clay or cat litter and dispose of waste as indicated below or according to the AS 2507 - Storage and Handling of Pesticides. Wear prescribed protective clothing and equipment. Keep out animals and unprotected persons. Keep material out of streams and sewers. Vacuum, shovel or pump waste into an approved drum. To decontaminate spill area, tools and equipment, wash with a suitable solution (i.e. organic solvent, detergent, bleach or caustic) and add the solution to the drums of wastes already collected. Label for contents. Dispose of drummed wastes, including decontamination solution, in accord with Avcare guidelines. Do not discharge into drains.</p> <p>Dispose of empty, used containers by triple rinsing or, preferably pressure rinsing. Add the rinsate to the spray tank or dispose of the rinsate in a disposal pit away from desirable plants and their roots and watercourses. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.</p>

OTHER INFORMATION

Diazinon is moderately toxic to fish (LC50 (96 h), rainbow trout = 2.6 - 3.2mg/L) and highly toxic to birds and bees.

Note: This product is a registered pesticide and must therefore be used in accordance with the container label directions. A comprehensive package of toxicological and environmental data for the active ingredients of this product has been submitted to the Federal Health and Environment Authorities and has been evaluated by expert toxicologists and environmental scientists.

ALWAYS READ THE PRODUCT LABEL BEFORE USE. FOLLOW ALL DIRECTIONS FOR USE, LABEL WARNINGS AND SAFETY DIRECTIONS.

Contact Point:

Ph: 1800 630 877

Date: November 2000

The information above is correct and accurate to the best of our knowledge. However no warranty, expressed or implied is made as to its accuracy or completeness of data herein. Further research and investigation maybe required for your particular use of this product.

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