

# EC Safety Data Sheet

ZENECA Agrochemicals

'ACTELIC' DUST 2%

Version: 6

Last change: 01/02/99

Date of issue: 01/02/99

## 1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name : 'ACTELIC' DUST 2%

Company : ZENECA Agrochemicals  
Fernhurst  
Haslemere  
Surrey GU27 3JE

Phone number : (01428) 644061 Fax: (01428) 652922  
Emergency phone : (01622) 814777

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

### Product Description

An organophosphorus insecticide.  
A dust.

EEC-No. : 249-528-5 Pirimiphos-methyl

Hazardous ingredients	CAS-No.	Hazard symbols	Risk Phrases	Concentration
Pirimiphos-methyl	29232-93-7	Xn	R22	2 % w/w

## 3. HAZARDS IDENTIFICATION

Low toxicity under normal conditions of handling and use.  
A cholinesterase inhibitor. Do not use if under medical advice not to work with such compounds.  
May form flammable dust clouds in air.  
Harmful to fish.

## 4. FIRST AID MEASURES

KEEP STRICTLY AT REST AS CONTINUED MOVEMENT ENHANCES THE EFFECT OF CHOLINESTERASE INHIBITION.

Eye contact : Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. Obtain immediate medical attention.

Skin contact : Take off immediately all contaminated clothing. Wash skin immediately with water, followed by soap and water. Such action is essential to minimise contact with skin. Contaminated clothing should be laundered before re-issue.

Inhalation : Remove patient from exposure, keep warm and at rest. Obtain medical attention as a precaution.

Ingestion : If swallowed seek medical advice immediately and show the container, label or this Data Sheet, if possible. Do not induce vomiting.

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**Medical advice**

Atropine is the specific antidote and may be given immediately by qualified staff, at a level of 2-5mg (intramuscularly), every 20 minutes until atropinisation occurs. Considerable amounts of atropine may be necessary.

Atropine MUST NOT be given to cyanosed patients; administer oxygen first.

DO NOT use opiates or barbiturates.

If convulsions occur, administer diazepam (10mg intravenously).

Take 10ml of venous blood for determination of blood cholinesterase activity.

Cholinesterase reactivators (Pralidoxime) should, if possible, be given at the same time as atropine. They are not effective after 24 hours post exposure and are not substitutes for atropine.

**DOSES:**

Pralidoxime:

Mild poisoning : 1g in 2-3ml water. (intramuscularly)

Severe poisoning: 2g in 30ml water. (intravenously)

Following ingestion, adsorbents such as charcoal may be of value. If gastric lavage or emesis is considered necessary for oil-based or corrosive formulations, inhalation of gastric contents must be prevented.

**5. FIRE FIGHTING MEASURES**

This material can form flammable dust clouds at elevated temperatures. Keep fire exposed containers cool by spraying with water.

Extinguishing media : For small fires, use foam, carbon dioxide or dry powder extinguishant. For large fires, use foam or water-fog; avoid use of water jet. Contain run-off water with, for example, temporary earth barriers.

Protective Equipment : A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

**6. ACCIDENTAL RELEASE MEASURES**

Personal precautions : Ensure suitable personal protection during removal of spillages. This means wearing a face mask that gives protection against toxic dusts, eye protection, chemically resistant gloves, boots and coveralls.

Clean up methods : Cover spillage with moist sand, soil or sawdust. Transfer to a container for disposal. Wash the spillage area with water. Washings must be prevented from entering surface water drains.

Spillages or uncontrolled discharges into water courses must be alerted to the appropriate regulatory body.

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**7. HANDLING AND STORAGE**

**HANDLING**

Read the label before use.

Safe handling advice

: Avoid contact with skin and eyes. Do not breathe dust. When using do not eat, drink or smoke. Wash face and hands before eating, drinking or smoking.

**STORAGE**

Safe storage advice : Keep in original containers, tightly closed, out of reach of children. Keep away from food, drink and animal feeding stuffs. Protect from frost.

Storage Life

Physically and chemically stable for at least 2 years when stored in the original unopened sales container at ambient temperatures.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Personal protection**

When using this product refer to the label for details.

**Occupational exposure limits**

Hazardous ingredient : Pirimiphos-methyl ZENECA Standard

8 hr TWA 3 mg/m<sup>3</sup>

Sk : Can be absorbed through skin

Not applicable to field use.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

Form : powder  
Colour : grey / brown  
Odour : Not available.  
Boiling point : Not available.  
Melting point : Not available.  
Flash point : Not available.  
Minimum Ignition Temperature : 450 .. 475 °C  
Minimum Ignition Energy : > 5000 mJ  
Explosive properties : Not applicable  
Vapour pressure : Not available.  
Density : Not available.  
Solubility : in/with water  
Not available.

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pH-value (quant.) : Not available.  
Partition coeff. : Not available.  
Oxidizing properties : Not applicable  
Flammable Powder : A  
Class

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**10. STABILITY AND REACTIVITY**

Hazardous decomposition products : Combustion or thermal decomposition will evolve toxic and irritant vapours.

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**11. TOXICOLOGICAL INFORMATION****ACUTE TOXICITY (LETHAL DOSES)**

Oral Median Lethal Dose rat (both genders)  
: > 2000 mg/kg

Low oral toxicity.

Dermal Median Lethal Dose rat (both genders)  
: > 2000 mg/kg

Median Lethal Concentration Inhalation rat (both genders)  
: > 5.73 mg/l

Unlikely to cause harmful effects when handled and used as directed on the label.

**ACUTE TOXICITY (IRRITATION, SENSITISATION ETC.)**

Eye Irritation : Unlikely to cause eye irritation.

Skin Irritation : Unlikely to cause skin irritation.

**CHRONIC TOXICOLOGICAL EFFECTS / LONG TERM EXPOSURE**

Long Term Exposure : No long term risks to man are associated with this material when handled and used as directed on the label.

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**12. ECOLOGICAL INFORMATION****ECOTOXICITY**

This ecological assessment is calculated from data available on the components of the formulation.

Toxicity to fish : LC50 96 hours rainbow trout  
: approx 30 mg/l

Harmful to fish.

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**13. DISPOSAL CONSIDERATIONS**

Do not contaminate ponds, waterways or ditches with chemical or used containers. Surplus material must be disposed of as detailed in the 'Guidelines for the avoidance, limitation and disposal of pesticide waste on the farm' GCPF, 1987. Empty containers should be washed and discarded. Empty containers should not be used for other purposes. Disposal should be in accordance with local, state or national legislation.

**14. TRANSPORT INFORMATION**

**Road transport ADR/RID**

UN No. : UN3077  
 Class-primary : 9 Miscellaneous Dangerous Goods  
 Number/letter: : 12 / (c)  
 Proper shipping name : 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., PIRIMIPHOS-METHYL MIXTURE

**Maritime transport IMDG**

UN No. : UN3077  
 Class-primary : 9 Miscellaneous Dangerous Goods  
 UN Pack. Group : III  
 Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., (contains pirimiphos-methyl 2%)  
 Marine pollutant : Yes

**Air transport ICAO/IATA**

Not applicable

**15. REGULATORY INFORMATION**

Classification : **Not Classified as Dangerous for Supply/Use.**  
 Special label : (S053) Do not re-use container, keep tightly closed in a safe place.  
 (S054) See instructions for use supplied separately.  
 (D01) Wash substances from skin or eyes immediately.

This substance is covered by the EEC Dangerous Substances Directive (CPL Regulations). It has therefore been labelled in accordance with these regulations.

The safety phrases have been assigned by ZENECA Agrochemicals. Users should ensure that they comply with any relevant local, state or national legislation.

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**16. OTHER INFORMATION**

Use: : A broad spectrum insecticide.  
' ' is the property of a ZENECA Group company.  
Read the label before you buy: use pesticides safely.

This data sheet was prepared in accordance with Directive 91/155/EC (93/112/EC).

The information on this sheet is not a specification, it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage and use of the product. It is not applicable to unusual or non-standard uses of the product nor where instructions or recommendations are not followed.

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