

EC Safety Data Sheet

ZENECA Agrochemicals

ACTELIC 25EC

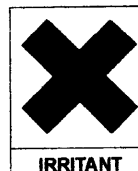
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1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name : ACTELIC 25EC
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.
An emulsifiable concentrate.

EEC-No. : 249-528-5 Pirimiphos-methyl
EEC-No. : 265-199-0 Solvent naphtha (petroleum), light aromatic

Hazardous ingredients	CAS-No.	Hazard symbols	Risk Phrases	Concentration
Pirimiphos-methyl	29232-93-7	Xn	R22	250 g/l
Solvent naphtha (petroleum), light aromatic	64742-95-6	Xn,N	R10-R37-R51/53-R6 5	> 500 g/l
Alkylphenol ethoxylates	68412-54-4	Xi	R36-R53	< 100 g/l

3. HAZARDS IDENTIFICATION

Irritating to eyes.
A mild cholinesterase inhibitor. Do not use if under medical advice not to use such compounds.
May cause damage if aspirated into the lungs.
Flammable.
Toxic 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

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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.

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

Flammable.

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 organic vapours, eye protection, chemically resistant gloves, boots and coveralls.

Clean up methods

: Adsorb spillages onto sand, earth or any suitable adsorbent material. 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 watercourses 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 spray mist. 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 heat and sources of ignition. 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.

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/m³

Sk : Can be absorbed through skin

Hazardous ingredient : Mixed Hydrocarbon Solvents OES/HSE

8 hr TWA 150 mg/m³

(Manufacturer/Supplier's Calculation)

Not applicable to field use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : liquid
Colour : clear amber
Odour : aromatic
Boiling point : Not available.
Melting point : Not available.
Flash point : 53 °C
Autoignition temperature : Not available.
Explosive properties : Not applicable

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Vapour pressure	: Not available.
Density	: 1.011 g/cm ³ at 20 °C
Solubility	: miscible in/with water
pH-value (quant.)	: 7.1
Partition coeff.	: aqueous solution 1 %
Viscosity	: Not available.
Oxidizing properties	: 5.26 mPas
	: Not applicable

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY (LETHAL DOSES)

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

Low oral toxicity.

The solvent(s) in this product may cause bronchopneumonia or pulmonary edema if aspirated into the respiratory system during ingestion or from vomiting.

Dermal Median Lethal Dose rat (both genders)
: > 4000 mg/kg

Unlikely to be hazardous by skin absorption.

Inhalation

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

ACUTE TOXICITY (IRRITATION, SENSITISATION ETC.)

Eye Irritation

: Moderate irritant to rabbit eyes.

Skin Irritation

: Moderate irritant to rabbit skin.

Skin Sensitisation - Buehler

: It is not a skin sensitiser in animal tests.

CHRONIC TOXICOLOGICAL EFFECTS / LONG TERM EXPOSURE

Long Term Exposure :

No long term risks to man are associated with the normal handling and use of this material.

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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 rainbow trout
: approx 2.5 mg/l
Toxic to fish.

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. : UN1993
Class-primary : 3 Flammable Liquid
Number/letter: : 31 / (c)
Proper shipping name : 1993 FLAMMABLE LIQUID, N.O.S., SUBSTITUTED
BENZENOID HYDROCARBONS

Maritime transport IMDG

UN No. : UN1993
Class-primary : 3.3 Flammable Liquid
UN Pack. Group : III
Proper shipping name : FLAMMABLE LIQUID, N.O.S., (contains
substituted benzenoid hydrocarbons and
pirimiphos-methyl 25%)
Marine pollutant : Yes

Air transport ICAO/IATA

UN/ID No.: : UN1993
Class-primary : 3 Flammable Liquid
UN Pack. Group : III
Proper shipping name : FLAMMABLE LIQUID, N.O.S., (contains
substituted benzenoid hydrocarbons and
pirimiphos-methyl 25%)

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15. REGULATORY INFORMATION

Classification : **IRRITANT**
Hazard symbols : **Xi**
Risk Phrases : (R36/38) Irritating to eyes and skin.
Safety Phrases : (S2) Keep out of the reach of children.
(S13) Keep away from food, drink and animal feeding stuffs.
(S20/21) When using, do not eat, drink or smoke.
(S26) In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
(S28) After contact with skin, wash immediately with plenty of ...
(S36/37/39) Wear suitable protective clothing, gloves and eye/face protection.

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

Users should ensure that they comply with any relevant local, state or national legislation.

16. OTHER INFORMATION

Use: : A broad spectrum insecticide.
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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