

EC Safety Data Sheet

ZENECA Agrochemicals

ACTELIC SMOKE GENERATOR SG10

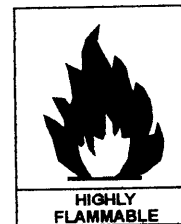
Version: 6

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

Product name : ACTELIC SMOKE GENERATOR SG10
Company : ZENECA Agrochemicals
Fernhurst
Haslemere
Surrey GU27 3JE
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2. COMPOSITION/INFORMATION ON INGREDIENTS

Product Description

An organophosphorus insecticide.
A smoke generator.

EEC-No. : 249-528-5 Pirimiphos-methyl
EEC-No. : 223-289-7 Potassium chlorate

Hazardous ingredients	CAS-No.	Hazard symbols	Risk Phrases	Concentration
Pirimiphos-methyl	29232-93-7	Xn	R22	22.5 % w/w
Potassium chlorate	3811-04-9	O,Xn	R9-R20/22	13 % w/w

3. HAZARDS IDENTIFICATION

Highly flammable.
May cause irritation to eyes and respiratory system.
A cholinesterase inhibitor. Do not use if under medical advice not to work with such compounds.
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 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

Highly flammable. Ignites readily.

Oxidising agent; may assist combustion.

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 or soil. 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: Do not breathe smoke. Avoid contact with skin and eyes.
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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Personal protection**

When using this product refer to the label for details.

Occupational exposure limitsHazardous ingredient : Pirimiphos-methyl ZENECA Standard
8 hr TWA 3 mg/m³Not applicable to field use.

9. PHYSICAL AND CHEMICAL PROPERTIESForm : pellets
Colour : grey
Odour : odourless
Boiling point : Not available.
Melting point : Not available.
Flash point : does not flash
Autoignition : Not available.
temperature
Minimum Ignition : 450 .. 500 °C
Temperature
Minimum Ignition : > 500 mJ
Energy
Explosive properties : Not applicable
Vapour pressure : Not available.
Density : Not available.

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Solubility : insoluble in/with water
pH-value (quant.) : Not available.
Partition coeff. : Not available.
Oxidizing properties : Oxidising agent; may assist combustion.

10. STABILITY AND REACTIVITY

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

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

This health hazard assessment is based on information available on similar formulations.

LD50 Oral rat : (calculated) > 4000 mg/kg

Low oral toxicity.

LD50 Dermal rat : (calculated) > 4000 mg/kg

Inhalation
Smoke may cause irritation.

ACUTE TOXICITY (IRRITATION, SENSITISATION ETC.)

Eye Irritation : May 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 the normal handling and use of this material.

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 3 mg/l

Toxic 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' GIFAP, 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 22.5%)
 Marine pollutant : Yes

Air transport ICAO/IATA

Not applicable

15. REGULATORY INFORMATION

Classification : **HIGHLY FLAMMABLE**
 Hazard symbols : **F**
 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.
 (S17) Keep away from combustible material.
 (S23) Do not breathe fumes
 (S28) After contact with skin, wash immediately with plenty of water.

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.

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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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