

Safety Data Sheet

22.5% ACTELLIC SMOKE GENERATOR

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

Product Identifier

1.1. Tradename: ACTELLIC SMOKE GENERATOR

1.2. Relevant identified uses of the substance or mixture and uses advised against Insecticidal Smoke Generator (FU)

UFI: YV10-00VM-200H-Y90J

1.3. Details of the supplier of the safety data sheet

Company Octavius Hunt Ltd
Redfield, BRISTOL, BS5 9NQ, UK
Phone +44 (0) 117 955 5305
Fax +44 (0) 117 955 7875
Website www.octaviushunt.co.uk
Email info@octavius-hunt.co.uk

1.4. Emergency telephone number + 44 (0) 7720 051020 (24h)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.

STOT, Single exposure: Category 1
H370 Causes damage to organs

Acute toxicity: Category 5
H303 May be harmful if swallowed

Acute Toxicity: Category 5
H333 May be harmful if inhaled

Acute aquatic toxicity: Category 2
H401 Toxic to aquatic life.

Chronic aquatic toxicity: Category 2
H411 Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.

Hazard label for supply/use required.

Hazardous components which must be listed on the label:

- Pirimiphos methyl
- Potassium chlorate



Signal word: Danger

Hazard statements

H370	Causes damage to organs
H303	May be harmful if swallowed
H333	May be harmful if inhaled
H401	Toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects.
EUH401	To avoid risks to human health and the environment, comply with the instructions for use.

Precautionary statements

P260	Do not breathe smoke
P261	Avoid breathing dust.
P264	Wash skin thoroughly after handling
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.
P280	Wear protective clothing / gloves/ eye protection
P307 + P311	IF exposed Call a POISON CENTER/ doctor/ physician
P391	Collect spillage
P405	Store locked up
P501	Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as nonhazardous waste.

2.3 Other hazards

Ignites readily. Product burns without a flame to give a dense white harmful smoke.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances: N.A.

3.2. Mixture

Hazardous Components

CAS No.	Hazardous ingredients	Conc.	Classification according to Regulation (EC) No 1278/2008 (CLP).
29232-93-7	Pirimiphos methyl (ISO)	24.5% w/w	Signal Word: Danger Hazard statement(s) Acute Tox. 4; H302 Harmful if swallowed STOT SE 1; H370 Causes damage to organs Aquatic Acute 1; H400 Very toxic to aquatic life Aquatic Chronic 1; H410 Very toxic to aquatic life with long lasting effects
108-10-1	4-methylpentan-2-one	>=1-<10% w/w	Signal Word: Danger Flam. Liq. 2; H225 Acute Tox. 4; H332 Eye Irrit. 2; H319 STOT SE 3; H335
3811-04-9	Potassium chlorate	10 -20% w/w	Signal word: Danger Hazard statement(s) H271 May cause fire or explosion; strong oxidiser. H302 Harmful if swallowed. Acute Tox 4 H332 Harmful if inhaled. Acute Tox 4 H411 Toxic to aquatic life with long lasting effects. Chronic 2.

Information to exposure limit values - see section 8.

SECTION 4: FIRST AID MEASURES

General advice: Remove contaminated, soaked clothing immediately and dispose of safely.

4.1. Description of First Aid Measures

General Advice: Show this safety data sheet to the doctor in attendance

Eye contact: Immediately irrigate with clean water. Obtain medical attention.

Skin contact: Wash skin immediately with water, followed by soap and water. Obtain medical attention Contaminated clothing should be laundered before re-issue.

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

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

4.2. Most important symptoms and effects, both acute and delayed

To the best of our knowledge the chemical, physical and toxicological properties have not been thoroughly investigated

4.3. Immediate Medical Attention

No data available

SECTION 5: FIRE FIGHTING MEASURES

Ignites readily. Oxidising agent; may assist combustion.

Keep fire exposed containers cool by spraying with water.

5.1. 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.

5.2. Special Hazards arising from the mixture: Harmful fumes may be produced during combustion

5.3. Advice for fire-fighters: A self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions: Ensure suitable personal protection during removal of spillages. This means wearing a facemask that gives protection against toxic dusts, eye protection, chemically resistant gloves (e.g. 0.6 mm nitrile), boots and coveralls. Keep people away from and upwind of spill See also Section 8.

6.2. Environmental precautions: Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

6.3. Methods and material for containment and cleaning up: 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.

6.4. Reference to other sections: Information regarding safe handling, see section 7
Information regarding personal protective equipment, see section 8.
Information regarding waste disposal, see section 13

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Read the label before use

Wear protective clothing.

Do not breathe smoke.

When using do not eat, drink or smoke.

Wash face and hands before eating, drinking or smoking after use.

7.2. Conditions for storage, including any incompatibilities

Keep in original containers, tightly closed, out of reach of children.

Keep away from food, drink and animal feeding stuffs.

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

7.3. Specific end use

Insecticidal Smoke Generator

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits; Hazardous ingredients; Not applicable to field use
Pirimiphos methyl.

MANUFACTURERS Standard, 8 hr TWA, 2 mg/m³. Not applicable to field use.

8.2. Exposure controls

When using this product refer to the label for details. In all other cases, use the following

8.2.1 Personal Protective Equipment:

Respiratory protection: Wear suitable respiratory protective equipment if exposure to levels above the occupational exposure limit is likely. Respiratory protective equipment should conform to the appropriate EN standard.

Eye protection: Wear suitable eye/face protection conforming to EN 166.

Hand protection: Wear suitable gloves conforming to EN 374.

Body protection: Wear suitable protective clothing.

8.2.2 Environmental exposure controls

Self-contained product unlikely to be released unless damaged

Containment and clean-up methods refer to Section 6

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Colour:	Off-white.
Physical State:	Powder in a metal pot
Odour:	Mild, characteristic odour
Melting Point:	Not applicable.
Boiling point:	Not applicable.
Flash-Point:	Does not flash.
Autoignition temperature	>475°C
Minimum Ignition temp.	Not available.
Minimum Ignition:	Not available
Oxidizing properties:	Contains an oxidising agent; may assist combustion.
Energy Explosive properties	Not applicable
Vapour pressure:	Not available.
Solubility:	Partly soluble in/with water.
pH-value (quant.):	Not available.
Partition coeff. (n-octanol/water):	Not available.
Bulk Density:	940kg/m ³

9.2 Other Information: Further safety relate physical-chemical data are not known.

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity: No dangerous reaction known under conditions of correct and normal use.

10.2 Chemical stability: Stable at normal conditions

10.3 Possibility of hazardous reaction: Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Condition to avoid: Heat and uncontrolled ignition sources

10.5 Incompatible materials: The product is incompatible with strong reducing agents and acids

10.6 Hazardous decomposition products: No decomposition if stored and applied as directed.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects of active ingredient *Pyrimiphos-methyl (ISO)*

Acute toxicity

LD50 Oral - rat - 1414 mg/kg

Acute Inhalation

LC50 – Rat- >5.04mg/l

Skin corrosion/irritation

Skin - Rabbit – Not irritating

Serious eye damage/eye irritation

Eyes - Rabbit – Not irritating

Respiratory or skin sensitization

Skin – Guinea Pig - Not sensitizing

Germ cell mutagenicity

Animal testing did not show any mutagenic effects

Carcinogenicity

No evidence of carcinogenicity in animal studies

Reproductive toxicity

No toxicity to reproduction

Specific target organ toxicity - single exposure

Central nervous system: The substance is classified as a specific target organ toxicant, single exposure, category 1.

Specific target organ toxicity - repeated exposure

The substance is not classified as a specific target organ toxicant, repeated exposure.

Aspiration hazard

No data available

Potential health effects

Inhalation May be harmful if inhaled.

Ingestion May be harmful if swallowed.

Skin None

Eyes None.

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties of the mixture have not been thoroughly investigated.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bio accumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

Toxic to aquatic life.

No further data available

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. WASTE TREATMENT METHODS

Product: In accordance with current regulations may be taken to waste disposal site or incineration plant, after consultation with site operator and/or with the responsible authority. Can be land filled or incinerated, when in compliance with local regulations.

Advice may be obtained from local waste regulation authority (part of the Environment Agency in the UK)

Product that has been fully burned through normal use can be placed in general waste.

13.2. Contaminated Packaging: packaging that cannot be cleaned should be disposed of as product waste.

Empty containers can be land filled after cleaning, when in compliance with the Environmental Protection (Duty of Care) Regulations 1991.

Product that has been fully burned through normal use can be placed in general waste.

SECTION 14. TRANSPORT INFORMATION

Rail / Road (RID / ADR)	Class	UN Number	Packaging Group	Kemmler Index	
	9	UN 3077	III	n/a	
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (PIRIMIPHOS METHYL)				
Sea (IMDG-Code)	Class	UN Number	Packaging Group	EMS	MFAG
	9	UN 3077	III	n/a	n/a
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (PIRIMIPHOS METHYL)				
Marine pollutant	Yes				
Air (ICAO / IATA)	Class	UN Number	Packaging Group		
	9	UN 3077	III		
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (PIRIMIPHOS METHYL)				

SECTION 15. REGULATORY INFORMATION

15.1 Relevant Legislation

REACH Directive 1907/2006/EC

Directive 453/2010/EC amending REACH Directive 1907/2006/EC

CLP-Regulation 1272/2008/EC

790/2009/EC

Chemical Agents Directive 98/24/EC

15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16. OTHER INFORMATION

The data given here is based on current knowledge and experience.

The purpose of this Safety Data Sheet and its Annex [if required according to Regulation (EC) 1907/2006 (REACH)] is to describe the products in terms of their safety requirements.

The given details do not imply any guarantee concerning the composition, properties or performance.

Previous revisions should be destroyed.
