



Health and Safety Profile

EC Hazard Classification:
Not classified (health effects)

(N) Dangerous for the environment
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Personal Protective Equipment



Product Label

Label Directions (correct at time of printing)

An emulsion in water giving non-persistent insecticidal sprays for use in food handling premises, public hygiene/nuisance and tobacco industry insect control. The product is ready-to-use for application as an ultra low volume aerosol or can be diluted with water for application as a mist, thermal fog or surface spray. AquaPy is an anti-evaporant, low odour product containing synergised natural pyrethrins and minimal volatile organic compounds (voc's). It provides rapid knockdown and kill and will flushout insects from their harbourages.

For the Control of:

Flying insects
eg Flies, Mosquitoes, Stored Product Moths and Tobacco Beetles.

Wasps
By treating in and around the nest.

Crawling insects
As an aid to the control of e.g. Cockroaches, Bed Bugs, Fleas, Saw-Toothed Grain Beetles, Grain Weevils, Flour Beetles, Grain Borers, Mealworm Beetles, Leather Beetles and Tobacco Beetles.

Directions For Use

A space and contact (surface) spray for use in the following situations:

Domestic Premises
Private Housing.

Food Handling
Processing
Food manufacture, kitchens, slaughterhouses etc.

Storage
Food retailers, warehouses, raw material stores etc.

Preparation
Restaurants, commercial kitchens etc.

Commodity Storage
Tobacco facilities

Public Buildings
Hospitals, hotels, public baths, municipal buildings, churches, halls, community centres, cinemas etc.

Farm Buildings, Animal Husbandry Areas
In and around poultry houses, cattle sheds, milking parlours, piggeries etc.

Outdoor
Refuse tips, sewage works (excluding filter beds), amenity areas etc.

Note: The product can be used in continuously occupied areas as a band/spot or crack and crevice

treatment only.
SHAKE CONTAINER THOROUGHLY BEFORE DISPENSING AQUAPY.

For optimum performance ensure that the temperature of the product is not below 10°C during application. Depending upon the manner of use, AquaPy may be diluted with water. Prepare a fresh solution as required. The diluted material should not be stored.

As a Space Spray Indoors

Close doors and windows and shut off ventilation systems before spraying and for at least 30 minutes after treatment. Distribute spray evenly throughout the area. Treatments should be timed to coincide with the time of maximum flight activity for the target insect. For Tobacco Beetles this will typically be in the late afternoon and evening.

Direct the spray into identified insect harbourages. Spray as frequently as the situation demands. Treatment at weekly intervals is recommended. More frequent applications may be necessary for heavy infestations.

As a Space Spray Outdoors

In general the dose rate for large areas should be acceptable (see table), but if only small areas are being treated the dose rate may have to be increased. The best conditions for outdoor spraying occur in the early morning or late afternoon and evening when conditions are most likely to be still.

As a Surface Spray

As a direct contact spray apply at a rate sufficient to dampen the insects present on the fabric of warehouses, granaries, mills, bakeries and similar situations, or to insects on the surfaces of bags and cases containing stored food products. Special attention should be paid to cracks and crevices and other insect harbourages. Spray as frequently as the situation demands. Residuality will depend on the rate used (see table) and the environmental conditions (surface type, cleanliness, moisture, temperature, etc).

Solid Waste Management

In solid waste management programmes the use of AquaPy should be integrated with good management practices e.g. regular infilling and compaction of refuse to a depth of at least 225 mm. New tip surfaces should be sprayed as they are created. Treatments should be repeated as necessary.

For Wasp Nests

Apply liberally and directly to the nest or to entrance holes of concealed nests until the nest is saturated. Treatments should only be carried out at dusk or other times when wasp activity around the nest is minimal.

Resistance Management

Space sprays containing pyrethrins or pyrethroids must not be used more than once a week against house flies in intensive or controlled environment animal houses as they could cause control failure due to resistance. If more frequent treatments are required use a product with a different active ingredient and if necessary a different method of control (such as a bait).

Spraying Equipment: As a Space Spray

ULV Aerosol: Apply with any suitable aerosol generator capable of producing a distribution of droplets with a maximum Volume Median Diameter (VMD) value of 50µm and preferably below 25µm.

Mist/Thermal Fog: Apply with any suitable hand, mechanically or electrically operated sprayer capable of producing a fine mist or fog. It is important when applying water-based formulations to ensure the fogging machine is set up correctly and this may involve the use of a high performance fogging tube.

As a Contact (Surface) Spray: Apply with any suitable hand, mechanically or electrically operated sprayer capable of producing a coarse spray. Use only equipment adjusted to give a coarse spray.

Warnings

Protect from frost. Store at temperatures between 5-35°C.

This product may separate on storage; shake container thoroughly before dispensing.

Do not spray the moving parts of any machinery, electric motors and switchgear.

This spray will not harm ordinary fabrics or affect commonly used dyes, but before spraying delicate or expensive materials, test first by rubbing a little spray on some inconspicuous spot.

Not for use in plumbed-in spray systems.

Not for use on human clothing.

Do not apply directly to tobacco.

Not for direct use on grain in grain storage areas/silos.

PRECAUTIONS

WASH ANY CONTAMINATION from skin or eyes immediately.

WASH HANDS AND EXPOSED SKIN before meals and after use.

Keep only in the original container.

Keep container tightly closed.

KEEP IN A SAFE PLACE.

Use appropriate containment to avoid environmental contamination.

DO NOT HANDLE TREATED FABRICS UNTIL DRY AND AIR THOROUGHLY BEFORE USE. COLLECT EGGS AND REMOVE FEED, EXPOSED WATER AND MILK BEFORE APPLICATION.

To avoid risks to man and the environment, comply with the instructions for use.

Safety data sheet available for professional user on request.

STATUTORY CONDITIONS RELATING TO USE

FOR USE ONLY AS AN INSECTICIDE
FOR USE ONLY BY PROFESSIONAL OPERATORS.

Dose

By ULV Indoors: Apply 100 - 400 ml of product per 3000 m³ depending on insect pest (equivalent to 1.0 - 4.0 mg of pyrethrins/m³).

By ULV Outdoors: Apply 500 ml of product per 10,000 m³ for large areas (equivalent to 1.5 mg of pyrethrins/m³) or 400 ml of product per 2,000 m³ for small areas (equivalent to 6.0 mg of pyrethrins/m³).

By Spray Mist Indoors: Dilute 1 part of product with 1.5 - 9.0 parts of water depending upon insect pest. Then apply 1 litre of diluted product per 3,000 m³ (equivalent to 1.0 - 4.0 mg of pyrethrins/m³)

By Thermal Fog Indoors: Dilute 1 part of product with 9 parts of water. Then apply 1 litre of diluted product per 3,000 m³ (equivalent to 1.0 mg of pyrethrins/m³).

By Thermal Fog Outdoors: Dilute 1 part of product with 9 parts of water. Then apply 5 litres of diluted product per 10,000m³ for large areas (equivalent to 1.5 mg pyrethrins/m³) or 1 part of product with 11.5 parts of water. Then apply 5 litres of diluted product per 2,000 m³ for small areas (equivalent to 6 mg pyrethrins/m³).

By Coarse Spray Indoors: Dilute 1 part of product with 9 - 39 parts of water, depending upon insect pest. Then apply 5 litres of diluted product per 100 m³ (equivalent to 37.5 - 150.0 mg of pyrethrins per m³).

By Coarse Spray Outdoors: Dilute 1 part of product with 9 parts of water then apply 5 litres of diluted product per 100 m³, or spray liberally onto wasp nests.

The (COSHH) Control of Substances Hazardous to Health Regulations 2002 may apply to the use of this product at work.

FOR USE ONLY BY PROFESSIONAL OPERATORS

Engineering control of operator exposure must be used where reasonably practicable in addition to the following items of personal protective equipment. Wear suitable protective clothing.

Wear suitable gloves.

DO NOT BREATHE FOG OR SPRAY MIST.

Otherwise wear respiratory protective equipment and eye protection (see HSE Guidance Booklet HS (G) 53: "Respiratory Protective Equipment - a practical guide for users").

However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

AVOID EXCESSIVE CONTAMINATION OF COVERALLS AND LAUNDER REGULARLY.

DO NOT CONTAMINATE FOODSTUFFS, EATING UTENSILS OR FOOD CONTACT SURFACES.

COVER ALL WATER STORAGE TANKS before application.

EXCLUDE ALL PERSONS AND ANIMALS DURING TREATMENT.

DO NOT APPLY DIRECTLY TO LIVESTOCK AND POULTRY.

DO NOT APPLY DIRECTLY TO ANIMALS.

Protect milk machinery and milk containers from contamination.

Do not contaminate ground, waterbodies or watercourses with chemicals or used container.

HARMFUL TO FISH AND OTHER AQUATIC LIFE

Remove or cover ALL fish tanks and bowls before application.

DO NOT USE ON FILTER BEDS AT SEWAGE TREATMENT WORKS

This material and its container must be disposed of as hazardous waste.

READ ALL PRECAUTIONS BEFORE USE (HSE 5799)

In Eire Pesticide Control Service Number 1161

WHO classification: III (Slightly hazardous)

This product is approved under The Control of Pesticides Regulations (1986) for use as directed (HSE 5799).

When stored in a dry place at temperatures not exceeding 35°C AquaPy has a shelf life of three years.

Dilution and Application Rates

| Treatment | Pest Species | Dilution Rate with Water | | Application Rate |
|--|--|--------------------------|---------------------|------------------------------|
| | | AquaPy | Water | |
| Space Spray Indoors Ultra Low Volume Aerosol | Flying Insects (not Tobacco Beetles) | Undiluted – Ready to Use | | 100 ml/3000 m ³ |
| | Crawling Insects | | | |
| | Cockroaches | Undiluted – Ready to Use | | 200 ml/3000 m ³ |
| | Fleas & Bed Bugs | Undiluted – Ready to Use | | 300 ml/3000 m ³ |
| | Stored Product Insects and Tobacco Beetles | Undiluted – Ready to Use | | 400 ml/3000 m ³ |
| Misting/Thermal fogging Misting | Flying Insects (not Tobacco Beetles) | 1 part (100 ml) | 9 parts (900 ml) | 1 Litre/3000 m ³ |
| | Crawling Insects | | | |
| | Cockroaches | 1 part (200 ml) | 4 parts (800 ml) | 1 Litre/3000 m ³ |
| | Fleas & Bed Bugs | 1 part (300 ml) | 2.3 parts (700 ml) | 1 Litre/3000 m ³ |
| | Stored Product Insects and Tobacco Beetles | 1 part (400 ml) | 1.5 parts (600 ml) | 1 Litre/3000 m ³ |
| Space Spray Outdoors Ultra Low Volume Aerosol | Large Areas | Undiluted – Ready to Use | | 500 ml/Hectare |
| | Small Areas | Undiluted – Ready to Use | | 400 ml/2000 m ² |
| Thermal fog | Large Areas | 1 part (100 ml) | 9 parts (900 ml) | 5 Litres/Hectare |
| | Small Areas | 1 part (80 ml) | 11.5 parts (920 ml) | 5 Litres/2000 m ² |
| Surface Spray No residuality: under 24 hours | Cockroaches, Fleas, Bed Bugs, Stored Product Insects & Tobacco Beetles | 1 part (125 ml) | 39 parts (4.875 L) | 5 Litres/100 m ² |
| Short Residuality: 1 to 2 weeks | Cockroaches, Fleas, Bed Bugs, Stored Product Insects & Tobacco Beetles | 1 part (500 ml) | 9 parts (4.500 L) | 5 Litres/100 m ² |
| | Wasps (Nests) | 1 part (100 ml) | 9 parts (900 ml) | Spot Application |
| Solid waste management | Flies | 1 part (100 ml) | 9 parts (900 ml) | 5 Litres/100 m ² |



Bayer Environmental Science

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ALWAYS READ THE LABEL. USE PESTICIDES SAFELY.

AquaPy® contains pyrethrins 3% w/w synergised with piperonyl butoxide.

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