

SUBSTANCE TRADE NAME
MANUFACTURER

AQUAPY
Bayer Environmental Science



ACTIVE INGREDIENTS

Pyrethrins including cinerins , Piperonyl butoxide, Polyalkyleneoxide modified, Heptamethyltrisiloxane Isoparaffinic solvent

DESCRIPTION OF SUBSTANCE

Colour white to light yellow, Odour slight, specific odour Colour white to light yellow, Odour slight, specific odour

SUBSTANCE PROPERTIES



HAZARD STATEMENTS

H410 Very toxic to aquatic life with long lasting effects. EUH208 Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one (3:1). May produce an allergic reaction.
EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

PRECAUTIONARY STATEMENTS

P391 Collect spillage. 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 non-hazardous waste.

ENGINEERING MEASURES

Use only in area provided with appropriate exhaust ventilation.

PPE REQUIREMENTS



PPE NOTES

Hand Protection Wear CE Marked (or equivalent) nitrile rubber gloves (minimum thickness 0,40 mm). Wash when contaminated. Dispose of when contaminated inside, when perforated or when contamination outside cannot be removed. Wash hands always before eating, drinking, smoking or using the toilet. Eye protection Wear goggles conforming to EN166 (Field of Use 5 or equivalent). Body protection Wear standard coverall and Type 6 suit. Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and should be professionally laundered frequently.

FIRST AID MEASURES	
SKIN	Immediately wash with plenty of soap and water for at least 15 minutes. Warm water may increase the subjective severity of the irritation/paresthesia. This is not a sign of systemic poisoning. In case of skin irritation, application of oils or lotions containing vitamin E may be considered. If symptoms persist, call a physician.
EYES	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Warm water may increase the subjective severity of the irritation/paresthesia. This is not a sign of systemic poisoning. Apply soothing eye drops, if needed anaesthetic eye drops. Get medical attention if irritation develops and persists.
INHALATION	Move to fresh air. Keep patient warm and at rest. Call a physician or poison control center immediately.
INGESTION	Do NOT induce vomiting. Do not leave victim unattended. Call a physician or poison control center immediately.

STORAGE PROCEDURES

Requirements for storage areas and containers
Keep containers tightly closed in a cool, well-ventilated place.

SPILLAGE PROCEDURES

Take up with absorbent material (e.g. sand, diatomaceous earth or a proprietary absorbent material). Keep in suitable, closed containers for disposal. Clean floors and contaminated objects with plenty of water. Do not discharge into the drains/surface water/groundwater.

PRECAUTIONS IN USE

ACTIVITY	POTENTIAL RISKS	CONTROLS
Storing/ transporting Insecticide	Possibility of spillage of insecticide when in transit between clients/sites.	All staff trained in the correct storage, transportation and spillage procedures of insecticides.
Mixing Insecticide	Small possibility of contact with undiluted insecticide if spilled before it is placed in the sprayer. Also small possibility of splash back when insecticide is added to sprayer	Correct PPE to be worn whilst mixing. Full training on mixing procedure given to all staff. All spillages to be contained as described below.
Applying Insecticide	Contact could be made with diluted spray or mist (as product can be applied as a Crack and Crevice/Band treatment in continuously occupied areas or a space spray) during operation.	Correct PPE to be worn at all times. Staff trained in the correct use of application equipment.
Un-blocking sprayer	Contact with diluted insecticide could occur if staff tried to unblock the sprayer nozzle incorrectly.	Correct PPE to be worn. Staff trained to follow correct procedure.
Sprayer Maintenance	Contact with small quantities diluted insecticide could occur if staff cleaned sprayer without wearing PPE	Correct PPE to be worn whilst cleaning sprayer.
Spillage of liquid concentrate	Spillage of liquid may occur while handling container.	Storage procedures of insecticide approved. Spillage to be absorbed with sand/soil or other inert absorbent material, for which disposal is approved.
Waste pesticide / pesticide container	If staff did not dispose of pesticide correctly this might lead to environmental contamination	All staff are aware that waste is to be treated as hazardous and therefore not disposed of in domestic rubbish. This is collected as part of manufacturer stewardship scheme
Contact with contaminated PPE	Staff that did not replace PPE regularly could come into contact with diluted insecticide when handling PPE.	Records are kept for PPE replacement. Staff training given on care of PPE. Line Manager check PPE

Summary

- Aquapy is a particularly safe insecticide, as the risk of injury from 'one off' contact is low.
- Technicians apply Aquapy in the field by means of a portable pneumatic sprayer or a mister (May only be used as a crack/crevice/band treatment in continuously occupied area or can otherwise be used as a space spray). Personal Protective Equipment (PPE) is therefore the only way in which contact with the insecticide can be completely avoided.
- Safe use of insecticides depends on the proper use and maintenance of the PPE provided. Technicians are given full training in the use and care of PPE. Regular checks are made to Technician's PPE and records are kept. Line Managers regularly accompany Technicians and ensure that correct practices are being followed.

Additional Notes

The insecticide is harmful to fish and so must not be allowed to enter into ponds, waterways or ditches.

Reviewed By Brian Duffin



Position

Chief Technical Officer

Assessment Date

04/01/2019