

VITAX SAFETY INFORMATION SHEET

Date of Issue: February 2004

Revision: June 2009

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

Name of Product: PY SPRAY GARDEN INSECT KILLER

Use of the Substance/Preparation: insecticide

Manufacturer/Distributor: Vitax Limited
Owen Street
Coalville
LE67 3DE Tel: 01530 510060 Fax: 01530 510299 Email: tech@vitax.co.uk

Emergency Contact: Tel: 01530 510060 (Office Hours)

2. HAZARDS IDENTIFICATION

Classification: Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Formulation Type: Emulsion concentrate containing:

INGREDIENT	% w/w	CLASSIFICATION	CAS NO	EC NO
pyrethrins	1	Xn R20/21/22, 50/53	008003-34-7	
piperonyl butoxide	1	N R50/53	000051-03-6	200-076-7

4. FIRST AID MEASURES

Accidental over exposure may result in the following symptoms:

Skin Contact: not expected to be a primary irritant or skin sensitiser. Contact dermatitis and other allergic responses (sneezing, nasal discharge and stuffiness have been reported for crude pyrethrum extract).

Eye Contact: slight irritation.

Ingestion: low toxicity – irritation of mouth, throat and digestive tract and abdominal pains.

Additional medical guidance is available to doctors from the National Poisons Information Service.

Eye contact – irrigate with water thoroughly. If irritation persists, seek medical advice.

Skin contact – wash with soap and water. Remove all contaminated clothing.

Ingestion – wash out mouth with water. Obtain medical aid.

Inhalation – remove to fresh air. If symptoms persist, obtain medical aid.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Non flammable. Unlikely to pose significant hazard in fire. Extinguish preferably with foam, dry powder, water spray or water fog. Contain contaminated run-off.

Additional Information: Under intense heat, product decomposition may release carbon oxides.

Special Protective Equipment: Wear self-contained breathing apparatus and suitable protective clothing in confined spaces.

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6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wash hands and exposed skin after handling.
Environmental precautions:	Report to local water plc immediately if spillage enters drains and the Environment Agency or Scottish Environment Protection Agency if it enters surface or ground waters.
Spillages:	Soak up with absorbent material such as sand, transfer to suitable marked container and keep safe before disposal.

7. HANDLING & STORAGE

Handling:	Do not block stack pallets.
Storage:	Store in original containers, tightly closed in a secure, well ventilated, cool but frost-free, dry area. Store clear of foodstuffs. Make arrangements for containment of accidental spillage.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Occupational exposure standards (EH40) for pyrethrins in air: 5 mg/m³ (8 hr) 10 mg/m³ (15 min).

No specific personal protective equipment assigned. Normal good hygiene standards should be observed.

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance	yellow liquid
Odour	faint characteristic odour
pH	6.5
Boiling point	not available
Melting point	not available
Flash point	not combustible
Flammability	not combustible
Autoflammability	not combustible
Explosivity	none
Oxidising properties	none
Vapour pressure	not available
Relative density	1.002 at 20 deg C
Solubility	miscible in water
Other data	none

10. STABILITY & REACTIVITY

Stability:	stable under normal storage conditions.
Conditions to Avoid:	pyrethrins are unstable in light and hydrolyse rapidly in alkaline conditions with loss of insecticidal properties.
Materials to Avoid:	avoid strong oxidising agents, strong acids and bases.
Hazardous Decomposition Products:	combustion or thermal decomposition will evolve carbon oxides.

11. TOXICOLOGICAL

Based on calculation

LD50 acute oral rat > 2000 mg/kg

LD50 acute percutaneous rat > 4000 mg/kg

Patch testing of 1% pyrethrin solution indicated no primary irritation or sensitisation to human skin. Allergic responses have been reported for crude pyrethrin extract.

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12. ECOLOGICAL INFORMATION Pyrethrins are toxic to cold blooded animals. **Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment.** Apply away from bees.

13. DISPOSAL CONSIDERATIONS Dispose of waste through a reputable waste disposal contractor.

14. TRANSPORT INFORMATION Not classified as dangerous for carriage.

15. REGULATORY INFORMATION **Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment.** Occupational Exposure Standard in air: for pyrethrins 5 mg/m³ (8 hr) 10 mg/m³ (15 mins).

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

16. OTHER INFORMATION This product label provides information on the use of the product: do not use otherwise, unless you have assessed any potential hazard involved, the safety measures required.

The information contained in this sheet is based on the best available information, including data from test results.

The classification of this preparation was carried out in accordance with directive 1999/45/EC and subsequent amendments modified by directive 2006/08/EC, taking account the directive 67/548/EC (Dangerous substances) modified by directive 2004/73/EC and Regulation (EC) 1907/2006 (REACH).