

# VITAX SAFETY DATA SHEET

## IDENTIFICATION OF PREPARATION **PY SPRAY GARDEN INSECT KILLER**

Packaging: 250ml and 1 litre HDPE containers.

### AND COMPANY

Vitax Ltd, Owen Street, Coalville LE67 3DE Tel: 01530 510060

### COMPOSITION

Emulsion concentrate containing:

INGREDIENT	% w/w	CLASSIFICATION	CAS NO	EC NO
Pyrethrins	1	Xn R20/21/22, <b>50/53</b>	008003-34-7	
piperonyl butoxide	4	N R50/53	000051-03-6	200-076-7

### HAZARDS IDENTIFICATION

**Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment**

### FIRST AID MEASURES

Accidental over exposure may result in the following symptoms:-

Eye Contact - slight irritation.

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).

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 and wash contaminated clothing.

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

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

### FIRE FIGHTING MEASURES

Non Flammable. Unlikely to pose significant hazard in fire.

**Extinguishing media:** Extinguish, preferably with foam, CO<sub>2</sub>, dry powder, water spray or water fog. Contain contaminated run-off.

**Unsuitable extinguishing media:** none

**Exposure hazards:** Under intense heat, product decomposition may release carbon oxides.

suitable

**Special protective equipment:** Wear self-contained breathing apparatus and

protective clothing in confined spaces.

### 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.

### 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. Do not block stack pallets.

### EXPOSURE CONTROLS/ PERSONAL PROTECTION

Occupational exposure standards (EH40) for pyrethrins in air: 5 mg/m<sup>3</sup> (8 hr)  
10 mg/m<sup>3</sup> (15 min).

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



## 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
Oxidizing properties	none
Vapour pressure	not available
Relative density	1.002 at 20 deg C
Solubility	miscible in water
Other data	none

## STABILITY & REACTIVITY

**Stability:** Stable under normal conditions

**Conditions to avoid:** Pyrethrins are unstable in light and hydrolyse rapidly in alkaline conditions with loss of insecticidal properties

**Materials to avoid: oxidizing agents, strong acids and bases.**

**Hazardous decomposition products:** Combustion or thermal decomposition will evolve carbon oxides.

## TOXICOLOGICAL INFORMATION

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.

## ECOLOGICAL INFORMATION

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

## DISPOSAL CONSIDERATIONS

Dispose of waste through a reputable waste disposal contractor.

## TRANSPORT INFORMATION

Not classified as dangerous for carriage.

## REGULATORY INFORMATION

**Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.** Occupational Exposure Standard in air: for pyrethrins 5 mg/m<sup>3</sup> (8 hr) 10 mg/m<sup>3</sup> (15 mins).

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

## OTHER INFORMATION

The product label provides information on a specific pesticidal use of the product: do not use otherwise, unless you have assessed any potential hazard involved, the safety measures required and that the particular is permitted under the Control of Pesticides Regulations.

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

**Revision February 2004  
replaces October 2001**