

# SAFETY INFORMATION SHEET

Date of Issue: February 2004  
Revision: June 2015

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

- 1.1 Product Identifier:** PY POWDER
- 1.2 Relevant uses of the substance or mixture and uses advised against:**  
Insecticide
- 1.3 Manufacturer/Distributor:** Vitax Limited  
Owen Street  
Coalville  
LE67 3DE  
Tel: 01530 510060 Fax: 01530 510299 Email: tech@vitax.co.uk
- 1.4 Emergency Contact:** Tel: 01530 510060 (Office Hours)

## 2. HAZARDS IDENTIFICATION

- 2.1 Classification:** **Classification according to Regulation (EC) No 1272/2008 (EU-GHS/CLP)**  
**Physical hazards** not classified  
**Health hazards** not classified  
**Environmental hazards** Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410
- 2.2 Label Elements:** Contains 0.11% pyrethrins (EC232-319-8), 1% piperonyl butoxide (EC200-076-7)



- Signal word:** Warning
- Hazard statements:** H410 Very toxic to aquatic life with long lasting effects.
- Precautionary Statements** P102 Keep out of reach of children.  
P273 Avoid release to the environment.  
P501 Dispose of contents/container in accordance with local regulations.

- 2.3 Other Hazards:** n/a

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixtures

Chemical Name	CAS-No./ EINECS-No.	Annex Index or REACH number	Symbol(s) and Phrases	Precautionary Statements:	Concentration [%]
Piperonyl butoxide	51-03-6 / 200-076-7	01-211953743	Acute Tox. 4 - H302, H332 STOT SE 3 - H335 Aquatic Acute 1 - H400, H110		1-5%
Pyrethrins including cinerins	8003-34-7 / 232-319-8	n/a	Acute Tox. 4 - H302, H312, H332 Aquatic Acute 1 - H400, H110		0.11%
talc	14807-96-6	n/a	n/a		60-100%

## 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

#### General information

Those with a history of allergic dermatitis/asthma/hay fever should not handle pyrethrum based powders.

#### Inhalation

Remove victim immediately from source of exposure. Provide fresh air, warmth and rest, preferably in a comfortable upright sitting position. Get medical attention if any discomfort continues.

#### Ingestion

Rinse mouth thoroughly. Drink plenty of water. Get medical attention if any discomfort continues.

#### Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.



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**Eye contact** Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.

**4.2. Most important symptoms and effects, both acute and delayed**  
Not available

**4.3 Indication of immediate medical attention and special treatment needed:**  
Not available.

## 5. FIRE FIGHTING MEASURES

### 5.1. Extinguishing media

**Extinguishing media** Extinguish with foam, carbon dioxide, dry powder or water fog.

### 5.2. Special hazards arising from the substance or mixture

**Hazardous combustion products** None under normal conditions.

**Unusual Fire & Explosion Hazards** Not known.

### 5.3. Advice for firefighters

**Special Fire Fighting Procedures** Avoid breathing fire vapours.

**Protective equipment for fire-fighters** Self contained breathing apparatus and full protective clothing must be worn in case of fire.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet.

**6.2. Environmental precautions** Do not discharge onto the ground or into water courses.

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

Collect spillage with shovel, broom or the like and reuse, if possible. Dispose of large amounts of spillage/waste according to agreement with local authorities.

**6.4. Reference to other sections** None

## 7. HANDLING & STORAGE

**7.1. Precautions for safe handling** Avoid inhalation of dust and contact with skin and eyes.

### 7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep separate from food, feedstuffs, fertilisers and other sensitive material.

**Storage Class** Miscellaneous hazardous material storage.

**7.3. Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

**Usage Description** Pesticide.

## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

### 8.1 Control parameters:

**Pyrethrins** including cinerins Long-term exposure limit (8-hour TWA): WEL 1 mg/m<sup>3</sup>

**Talc** Long-term exposure limit (8-hour TWA): 1 mg/m<sup>3</sup>

OEL = Occupational Exposure Limit.

WEL = Workplace Exposure Limit

### 8.2 Exposure Controls:

**Protective equipment** Dustmask

**Engineering measures** Provide adequate general and local exhaust ventilation.

**Respiratory equipment** If ventilation is insufficient, suitable respiratory protection must be provided.

**Hand protection** Gloves.

**Eye protection** No specific eye protection noted, but may be required anyway.

**Hygiene measures** Wash hands at the end of each work shift and before eating, smoking and using the toilet.

## 9. PHYSICAL & CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties:

**Appearance** Powder, dust

**Colour** Grey.

**Odour** Slight odour.

**Solubility** Slightly soluble in water.

**9.2 Other information:** None.



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## 10. STABILITY & REACTIVITY

- 10.1. Reactivity** Not known
- 10.2. Chemical stability** Stable under normal temperature conditions and recommended use.
- 10.3. Possibility of hazardous reactions** Not known.
- Hazardous Polymerisation** Will not polymerise.
- 10.4. Conditions to avoid** Not relevant
- 10.5. Incompatible materials**
- Materials To Avoid** No incompatible groups noted.
- 10.6. Hazardous decomposition products** Not known.

## 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### Toxicological information

- Pyrethrins:** LD50 rat (oral) 900-2000 mg/kg. LD50 rat (dermal) >1500 mg/kg.
- Piperonyl Butoxide:** LD50 rat (oral) 7500 mg/kg.
- Inhalation** Dust may irritate respiratory system or lungs.
- Ingestion** May cause discomfort if swallowed.
- Skin contact** Powder may irritate skin.
- Eye contact** May cause temporary eye irritation.
- Ecotoxicity** Dangerous for the environment: May cause long-term adverse effects in the aquatic environment.

## 12. ECOLOGICAL INFORMATION

### Acute Fish Toxicity

### 12.2. Persistence and degradability

### 12.3. Bioaccumulative potential

### Bioaccumulative potential

### 12.4. Mobility in soil

### 12.5. Results of PBT and vPvB assessment

### 12.6. Other adverse effects

- Pyrethrum is toxic to aquatic organisms, but product has a low solubility.
- Not known
- No data available on bioaccumulation.
- Not known.

## 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

This material and its container must be disposed of in a safe way.

## 14. TRANSPORT INFORMATION

### General

This product is packed in accordance with the Limited Quantity Provisions of CDGCP2, ADR and IMDG. These provisions allow transport to be exempt from control providing that they are labelled in accordance with the requirements of these regulations to show that they are being transported as Limited Quantities. Product not so packed and labelled must show the following.

### 14.1. UN number

- UN No. (ADR/RID/ADN) 3077
- UN No. (IMDG) 3077
- UN No. (ICAO) 3077

### 14.2. UN proper shipping name

#### Proper Shipping Name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
(PIPERONYL BUTOXIDE, PYRETHRINS INCLUDING CINERINS)

### 14.3. Transport hazard class(es)

- ADR/RID/ADN Class 9
- ADR/RID/ADN Class Class 9: Miscellaneous dangerous substances and articles.
- ADR Label No. 9
- IMDG Class 9
- ICAO Class/Division 9
- Transport Labels MISCELLANEOUS DANGEROUS GOODS 9

### 14.4. Packing group

- ADR/RID/ADN Packing group III
- IMDG Packing group III
- ICAO Packing group III

### 14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant



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## 14.6. Special precautions for user

EMS	F-A, S-F
Emergency Action Code	2Z
Hazard No. (ADR)	90
Tunnel Restriction Code	(E)

## 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

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## 15. REGULATORY INFORMATION

### 15.1 Safety, health and environmental regulations/legislation specific to this substance:

This substance is classified and labelled in accordance with regulation 1999/45/EC, 1272/2008, the statutory instrument No.716 2009 Chemicals (Hazard Information and Packaging) regulations, Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

### 15.2 Chemical Safety Assessment

not undertaken for this material

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## 16. OTHER INFORMATION

### Reason for revision:

Risks recalculated to ensure data is up to date. MSDS re-formatted in-line with regulation 453/2010 all sections affected.

### General information

The information contained in this Safety Data Sheet is believed to be true and correct, as of the issue date. The accuracy and completeness of this information and any recommendations, or suggestions are made without warranty or guarantee. Since the conditions of use are beyond the control of our company, it is the responsibility of the user to determine the conditions of safe use for this product.

### Hazard Statements In Full

H332 Harmful if inhaled.  
H302 Harmful if swallowed.  
H312 Harmful in contact with skin.  
H335 May cause respiratory irritation.  
H410 Very toxic to aquatic life with long lasting effects.  
H400 Very toxic to aquatic life.