

# VITAX SAFETY INFORMATION SHEET

Date of Issue: February 2004

Revision: June 2015

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

**1.1 Product Identifier:** NIPPON ANT KILLER 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)

**Health hazards**

Elicitation - EUH208

**Environmental hazards**

Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

**2.2 Label Elements:**

Contains 0.488% Permethrin (EC 258-067-9)



**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:**

EUH208 Contains PERMETHRIN. May produce an allergic reaction.

## 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 [%]
Permethrin	52645-53-1 258-067-9	N/A	Acute Tox. 4 - H302, H332 Skin Sens. 1 - H317 Aquatic Acute 1 - H400, H410 M factor (Acute) = 1000 M factor (Chronic) = 1000		0.488%
talc	14807-96-6	n/a	n/a		60-100%

## 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

#### General information

#### 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.

# VITAX SAFETY INFORMATION SHEET

Date of Issue: February 2004

Revision: June 2015

---

**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**

In some individuals a characteristic and reversible skin irritation effect characteristic of natural pyrethrins may be experienced. Deliberate ingestion could lead to neurological signs and symptoms such as ataxia, tremors or convulsions.

**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:

**PERMETHRIN**

Long-term exposure limit (8-hour TWA): 5 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

# VITAX SAFETY INFORMATION SHEET

Date of Issue: February 2004

Revision: June 2015

---

Colour	Grey.
Odour	Slight odour.
Solubility	Slightly soluble in water.

**9.2 Other information:** None.

---

## 10. STABILITY & REACTIVITY

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

---

## 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### Toxicological information

Acute toxicity for permethrin LD50 oral rat 7500 mg/kg  
LD50 dermal rat > 5100 mg/kg

<b>Inhalation</b>	Dust may irritate respiratory system or lungs.
<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Skin contact</b>	Powder may irritate skin.
<b>Eye contact</b>	May cause temporary eye irritation.
<b>Ecotoxicity</b>	Dangerous for the environment: May cause long-term adverse effects in the aquatic environment.

---

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

This product has not been tested but contains ingredients which are toxic or very toxic to aquatic organisms and may cause long term adverse effects in the aquatic environment.

<b>12.1 Toxicity:</b>	
<b>12.2 Persistence and degradability:</b>	no data
<b>12.3 Bioaccumulative potential:</b>	no data
<b>12.4 Mobility in soil:</b>	no data.
<b>12.5 Results of PBT and vPvB:</b>	not classified.
<b>12.6 Other adverse data:</b>	no data

---

## 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.  
(PERMETHRIN)

# VITAX SAFETY INFORMATION SHEET

Date of Issue: February 2004

Revision: June 2015

---

## 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

## 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.

---

## 15. REGULATORY INFORMATION

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

EU legislation Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). 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) (as amended).

### 15.2 Chemical Safety Assessment

not undertaken for this material

---

## 16. OTHER INFORMATION

### Reason for revision:

MSDS re-formatted in-line with regulation 453/2010 all sections affected.

### Hazard statements in full

H302 Harmful if swallowed.  
H317 May cause an allergic skin reaction.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.

### Liability

The product label provides information on the use of the product: do not use otherwise, unless you have assessed any potential hazard involved and the safety measures required. Prepared by VITAX LTD, for Health and Safety purposes from the best knowledge available at the time of printing.