

# 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 LIQUID<sup>2</sup>
- 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** Elicitation - EUH208  
**Environmental hazards** Aquatic Chronic 3 - H412
- 2.2 Label Elements:** Contains 0.081% spinosad (EC434-300-1)  
**Signal word:** Warning  
**Hazard statements:** H412 Harmful to aquatic life with long lasting effects.  
**Precautionary Statements** P273 Avoid release to the environment.  
P501 Dispose of contents/container in accordance with local regulations.
- 2.3 Other Hazards:** EUH208 Contains 1,2-benzisothiazolin-3-one. 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 [%]
spinosad	168316-95-8 / 434-300-1	01-211953743	Aquatic Acute 1 - H400, H410		0.081%
1,2-Benzisothiazolin- 3-one	2634-33-5/ 220-120-9	613-088-00-6	Acute Tox. 4 - H302, Skin Irrit. 2 H312, Skin Sens. 1 H317, C ≥0,05%, Eye Dam. 1 H318 Aquatic Acute 1 - H400, H410		0.01-0.03%

## 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.

#### 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.

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## 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.

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## 6. ACCIDENTAL RELEASE MEASURES

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

See Section 8 of this safety data sheet. Wash hands and exposed skin after handling.

### 6.2. Environmental precautions

Do not discharge onto the ground or into water courses.

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

Soak up spillage with absorbent material such as sand, transfer to suitable marked container and keep safe before disposal in accordance with local authority requirements.

### 6.4. Reference to other sections

None

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## 7. HANDLING & STORAGE

### 7.1. Precautions for safe handling

Avoid 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.

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## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

### 8.1 Control parameters:

spinosad Dow IHG

Long-term exposure limit (8-hour TWA): 0.3 mg/m<sup>3</sup>

### 8.2 Exposure Controls:

#### Protective equipment

no specific personal protective equipment assigned.

#### Engineering measures

Provide adequate general and local exhaust ventilation.

#### Respiratory equipment

no specific personal protective equipment assigned.

#### Hand protection

no specific personal protective equipment assigned.

#### Eye protection

no specific personal protective equipment assigned.

#### Hygiene measures

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

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## 9. PHYSICAL & CHEMICAL PROPERTIES

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

Appearance

amber liquid

Odour

honey like odour.

pH

7.5

Boiling point

not available

Melting point

not available.

Flammability

non flammable

Flammability limits (% v/v)

N/A.

Autoflammability

N/A

Explosivity

N/A

Oxidising properties

N/A.

Vapour Pressure

N/A

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Relative density	1.29 at 20°C
Solubility	soluble in water.

**9.2 Other information:** None.

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## 10. STABILITY & REACTIVITY

<b>10.1. Reactivity</b>	Stable under normal conditions.
<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>	Avoid high temperatures
<b>10.5. Incompatible materials</b>	
<b>Materials To Avoid</b>	Oxidizing agents, strong acids and bases.
<b>10.6. Hazardous decomposition products</b>	Combustion or thermal decomposition will evolve carbon oxides.

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## 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### Toxicological information

spinosad:	LD50/Oral/Rat > 2000 mg/kg. LD50 rat (dermal) >5000 mg/kg.
20% benzisothiazolin-3-one:	LD50 rat (oral) 1221-2175 mg/kg.
	In animals, spinosad has been shown to cause vacuolation of cells in various tissues at dose levels many times higher than those expected from exposure due to use. Spinosad is of extremely low oral toxicity and is essentially non-irritating to skin and may cause only transient irritation to the eye.
	Carcinogenicity: for similar materials non-carcinogenic
	Teratology: spinosyn A negative
	Reproductive effects: spinosyn A, no effects seen except at doses producing significant toxicity to parent animal.
<b>Inhalation</b>	not a primary route of exposure.
<b>Ingestion</b>	low toxicity. Contains bittering agent denatonium benzoate.
<b>Skin contact</b>	Contains 1,2-benzisothiazolin-3-one. May produce an allergic reaction.
<b>Eye contact</b>	May cause transient eye irritation.

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## 12. ECOLOGICAL INFORMATION

### Acute Fish Toxicity

Harmful to aquatic life with long lasting effects.  
spinosad has high toxicity to aquatic organisms  
EC50/96hr/Daphnia >1 mg/kg  
EC50/96hr/Cyprinus carpio 4.5mg/l  
EC50/96hr/Navicula 0.079 mg/l

### 12.2. Persistence and degradability

spinosad cannot be considered readily biodegradable

### 12.3. Bioaccumulative potential

Spinosyn A &D moderate (log Pow 3-5)

### Bioaccumulative factor (BCF)

Spinosyn A 114, Spinosyn D 115.

### 12.4. Mobility in soil

spinosad is expected to be relatively immobile in soil (Koc >5000)

### 12.5. Results of PBT and vPvB assessment

spinosad is not considered to be PBT or vPvB

### 12.6. Other adverse effects

spinosad is not listed in Annex 1 (EC)1005/2009 for substances that deplete the ozone layer.

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## 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

Do not contaminate surface water or drains with chemicals or used container. Product and its container can be disposed of at a suitable local authority waste site. Do not re-use empty containers. Empty containers can be disposed of in normal domestic waste.

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## 14. TRANSPORT INFORMATION

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**General**

Not classified as dangerous for transport

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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**

H302 Harmful if swallowed.  
H312 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage  
H410 Very toxic to aquatic life with long lasting effects.  
H400 Very toxic to aquatic life.