

VITAX SAFETY INFORMATION SHEET

Date of Issue: 12/02/2004

Revision: 20/05/2013

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

Name of Product: NIPPON ANT & CRAWLING INSECT KILLER RTU

Use of the Substance/Preparation: Biocide.

Manufacturer/Distributor: Vitax Limited
Owen Street
Coalville
LE67 3DE UK
Tel: +44 (0) 1530 510060 Fax: +44 (0) 1530 510299 Email: info@vitax.co.uk

Emergency Contact: Tel: +44 (0) 1530 510060

2. HAZARDS IDENTIFICATION

Classification according to Regulation (EC) No.1272/2008[CLP]

Aquatic Acute 1 H400

Aquatic Chronic 2 H411

Full text of H-phrases: See Section 16

Classification according to Directive 67/584/EEC or 1999/45/EC

N; R51/53

Full text of R-phrases: See Section 16

Label Elements

Labelling according to Directive 67/548/EEC or 1999/45/EC

Hazard Symbol:



N-Dangerous for
the Environment

R-phrases R51/53 – Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases S2- Keep out of the reach of children.
S13 – Keep away from food, drink and animal feedingstuffs.
S20/21 – When using do not eat, drink or smoke.
S61 – Avoid release to the environment. Refer to special instructions/safety data sheets.

Other Hazards

No additional information available

VITAX SAFETY INFORMATION SHEET

Date of Issue: 12/02/2004

Revision: 20/05/2013

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Name	Product Identifier	%	Classification according to Directive 67/548/EEC
Cypermethrin cis/trans +/- 40/60	(CAS No.) 52315-07-8 (EC No) 257-842-9 (EC Index No) 607-421-00-4	0.05	Xn; R20/22 Xi; R37 N; R50/53

Name	Product Identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Cypermethrin cis/trans +/- 40/60	(CAS No.) 52315-07-8 (EC No) 257-842-9 (EC Index No) 607-421-00-4	0.05	Acute Tox. 4 (Inhalation), H332 Acute. 4 (Oral), H302 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

4. FIRST AID MEASURES

- Skin Contact:** After contact with skin, take it off immediately all contaminated clothing, and wash immediately with plenty of water and soap. If irritation occurs: Get medical advice/attention.
- Eye Contact:** Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- Ingestion:** If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. Immediately get medical attention.
- Inhalation:** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. In case of breathing difficulties administer oxygen. In case of irregular breathing or respiratory arrest provide artificial respiration. In all cases of doubt, or when symptoms persist, seek medical advice.
- General Advice:** If medical advice is needed, have product container or label at hand.
- Advice to Doctors:** No specific antidote. Supportive care. Treatment based on judgement of physician in response to symptoms of patient. Additional medical guidance is available to doctors from the National Poisons Information Service.

Most important symptoms and affects, both acute and delayed.

- Symptoms/injuries after inhalation:** Burning sensation, cough, dizziness, headache, respiratory complaints, nausea.
- Symptoms/injuries after skin contact:** Redness, tingling/irritation of the skin.
- Symptoms/injuries after eye contact:** Redness, pain.
- Symptoms/injuries after ingestion:** Abdominal pain, nausea, convulsions, vomiting. See inhalation.

VITAX SAFETY INFORMATION SHEET

Date of Issue: 12/02/2004

Revision: 20/05/2013

5. FIRE FIGHTING MEASURES

Extinguishing media

Suitable Extinguishing Media: Foam. Dry extinguishing powder. Carbon Dioxide (CO₂). Water fog.

Unsuitable Extinguishing Media: High power water jet.

Special hazards arising from the substance or mixture.

Fire hazard: Non-flammable

Reactivity: When exposed to heat, may decompose liberating hazardous gases.

Advice for fire fighters

Precautionary measures fire: No naked lights. No smoking.

Fire fighting instructions: Evacuate and limit access. Use water spray jet to protect personnel and to cool endangered containers.

Protection during fire fighting: Wear full chemical protective clothing. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Other information: Collect contaminated fire extinguishing water separately. Do not allow to enter drains or surface water.

6. ACCIDENTAL RELEASE MEASURES

General Measures: When leaks or spills occur, only protected personnel should remain in the area.

For non-emergency personnel

Protective Equipment: Wear suitable protective clothing, gloves and eye or face protection. In case of insufficient ventilation, wear suitable respiratory equipment.

Emergency procedures: Evacuate area. Provide adequate ventilation to minimise dust and/or vapour concentrations.

For emergency responders

Protective Equipment: Wear self-contained breathing apparatus and chemical protective clothing.

Environmental Precautions: Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. Notify authorities if product enters sewers or public waters.

Spillages: Prevent spreading in sewers. Impound and recover large spill by mixing with inert granular solids.

Collect spills and put into appropriated container.

Other information: Special danger of slipping by leaking/spilling product.

7. HANDLING & STORAGE

Precautions for safe handling

Precautions for safe handling: Handle in accordance with good industrial hygiene and safety procedures. Keep away from heat/sparks/open flames/hot surfaces – No smoking. Do not allow to enter into surface water or drains.

Handling Temperature: Store at room temperature.

Hygiene measures: Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and before leaving work.

VITAX SAFETY INFORMATION SHEET

Date of Issue: 12/02/2004

Revision: 20/05/2013

7. HANDLING & STORAGE (CONTUNUED)

Conditions for safe storage

Technical measures: Ground well. Use explosion-proof machinery, apparatus, ventilation facilities, tools etc.

Storage condition: protect against direct sunlight.

Incompatible products: Strong acid. Strong bases. Oxidizing agents, strong.

Maximum storage period: 2 years

Storage Temperature: >2%

Storage Area: Keep container tightly closed in a cool, well ventilated place. Provide for retaining containers, eg floor plan without outflow.

Packaging material: Keep only in the original container. Keep locked up.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Personal protective equipment: Gloves. Gas mask. Safety glasses.



Hand protection: Wear suitable gloves resistant to chemical penetration. NBR (Nitrile rubber). For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of the gloves.

Eye protection: Face shield, chemical goggles or safety glasses. **Skin and body protection:** Skin protection appropriate to the conditions of use should be provided.

Respiratory protection: If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Environmental exposure controls: Notify authorities if product enters sewers or public waters.

Other information: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

9. PHYSICAL & CHEMICAL PROPERTIES

Physical State	Liquid
Colour	White, milky
Odour	Low
PH	5
Flash point	>79°C
Density	0.999 g/ml (20°C)
Viscosity, Kinematic	0,7368 mm/s
Other Information	No data available

10. STABILITY & REACTIVITY

Reactivity: When exposed to heat, may decompose liberating hazardous gases.

Chemical stability: Stable under normal conditions

Possibility of Hazardous reaction: None Under normal conditions, refer to reactivity.

Conditions to Avoid: Protect against direct sunlight. Keep away from heat/sparks/open flames/hot surfaces - No smoking.

Incompatible materials: Strong acid. Strong bases. Strong oxidizing agents.

Hazardous decomposition products: When heated to decomposition, emits dangerous fumes. Carbon dioxide (CO₂), carbon monoxide and nitrous oxides (NO_x).

VITAX SAFETY INFORMATION SHEET

Date of Issue: 12/02/2004

Revision: 20/05/2013

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: Not Classified

Nippon Ant & Crawling Insect Killer RTU

Oral: LD50 (rat) > 2000 mg/kg

Dermal: LD50 (rat) > 4000 mg/kg

Inhalation: LC50(rat mg/l) : 5mg/l/4h

Cypermethrin cis/trans +/- 40/60 (52315-07-8)

Oral: LD50 (rat) 287 mg/kg

Dermal: LD50 (rat) >2000mg/kg

Inhalation : LC50 (rat) 3.28mg/l/4h

Irritation: Not classified

Corrosivity: Not classified

Sensitisation: Not classified

Repeated dose toxicity: Not classified

Carcinogenicity: Not classified

Mutagenicity: Not classified

Toxicity for reproduction: Not classified

12. ECOLOGICAL INFORMATION

Toxicity:

Nippon Ant & Crawling Insect Killer RTU	
LC50 fishes l	3.78mg/l
EC50 daphnia l	6 mg/l
ErC50 (algae)	188140 mg/l

Cypermethrin cis/trans +/- 40/60 (52315-07-8)

LC50 fishes l 0.0028 mg/l (96h;salmo gairdneri)

EC50 daphnia l 0.0003 mg/l (48h; Daphnia magna)

ErC50 (algae) >0,1 mg/l (96h; Selenastrum capricornutum)

NOEC (chronic) 0.00003 mg/l 34d; Pimephales promelas)

Persistence and Degradability: **Cypermethrin cis/trans +/- (52315-07-8)**
Not readily biodegradable

Bioaccumulative potential: **Cypermethrin cis/trans +/- (52315-07-8)**
BCF fish l 1204 mg/l (Salmo gairdneri)
Log Pow 5.3-5.6 (25°C)

Mobility in soil **Nippon Ant & Crawling Insect Killer RTU**
Surface tension 36,2mN/m

PBT & vPvB Assessment: No additional information available

Other adverse effects: No additional information available

VITAX SAFETY INFORMATION SHEET

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Revision: 20/05/2013

13. DISPOSAL CONSIDERATIONS

Waste Treatment Method

Regional Legislation (waste): Disposal must be done according to official regulations. Dispose of this material and its container to hazardous or special waste collection point.

Additional Information: Do not contaminate water with the product or its container (do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads). Notify authorities if product enters sewers or public water.

14. TRANSPORT INFORMATION

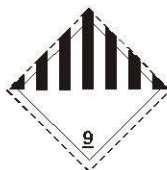
In accordance with ADR/RID/ADNR/IMDG/ICAO/IATA

UN No: 3082

UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S
Transport document description: UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (CONTAINS Cypermethrin +/- 40/60 (52315-07-8)),9, III, (E)

Class (UN) : 9

Hazard labels (UN) : 9



Packing group (UN): III

Environmental hazards:



Dangerous for the environment

Other information: No supplementary information available.

Special Precautions for user Overland Transport

Hazard identification number (Kelmer No): 90

Classification code (UK) M6

Orange Plates:



Special Provision (ADR): 274, 335, 601

Transport Category (ADR) 3

Tunnel restriction code: E

Limited quantities (ADR): 5L

LQ: LQ07

Expected Quantities (ADR): E1

VITAX SAFETY INFORMATION SHEET

Date of Issue: 12/02/2004

Revision: 20/05/2013

14. TRANSPORT INFORMATION (CONTINUED)

Transport by sea

EmS-No. (1) F-A
EmS-No. (2) S-F

Air Transport

Instruction "cargo" (ICAO) 964/450L
Instruction "passenger" (ICAO) 964/450L
Instruction "passenger"- Limited quantities (ICAO) Y964/30 kg G

15. REGULATORY INFORMATION

EU-Regulations No REACH Annex XVII restrictions
Contains no REACH candidate substance

16. OTHER INFORMATION

Indication of Changes:

Ecotoxicity. Classification according to directives 67/548/EEC and 1999/45/EC. Classification according to regulation (EC) No.1272/2008 [CLP].

Acute Tox.4 (inhalation)	Acute toxicity (inhalation) Category 4
AcuteTox 4. (oral)	Acute toxicity (oral) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard Category 1
Aquatic Chronic 2	Hazardous to the environment – Chronic Hazard Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H302	Harmful if swallowed
H332	Harmful if inhaled
H335	May cause respiratory irritation
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
R20/22	Harmful inhalation and if swallowed
R37	Irritating to respiratory system
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous
Xi	Irritant
Xn	Harmful