

VITAX SAFETY INFORMATION SHEET

Date of Issue: 21/10/2013

Revision: N/A

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

Name of Product: NIPPON PEST SMOKE

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 (1999/45/EEC) Xn; R20/22, R43, N; R50/53

Physical and chemical hazards Product burns without a flame to give a dense white harmful smoke.

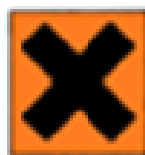
Label Elements

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

Hazard Symbol:



N-Dangerous for
the Environment



Harmful

R-phrases	R43	May cause sensitisation by skin contact
	R20-22	Harmful by inhalation and if swallowed
	R50/53	Very 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.
	S16	Keep away from sources of ignition – No smoking
	S20/21	When using do not eat, drink or smoke.
	S23	Do not breath vapour/spray.
	S24	Avoid contact with skin.
	S35	This material and its container must be disposed of in a safe way.
	S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
	S57	Use appropriate containment to avoid environmental contamination

Other Hazards

No additional information available

VITAX SAFETY INFORMATION SHEET

Date of Issue: 21/10/2013

Revision: N/A

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Name	Product Identifier	%	Classification according to Directive 67/548/EEC
Permethrin	(CAS No.) 052645-53-1 (EC No) 258-067-9	10-30%	Classification (67/548/EEC) Xn; R20/22 R43 N; R50/53 Classification (EC 1272/2008) Acute Tox.4 – H302 Acute Tox. 4 – H332 Skin Sens. 1 – H317 Aquatic Acute 1 – H400 Aquatic Chronic 1 – H410

Name	Product Identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Potassium Chlorate	(CAS No.) 3811-04-9 (EC No) 223-289-7	10-30%	Classification (67/548/EEC) O;R9 Xn; R20/22 N;R51/53 Classification (EC 1272/2008) Ox. Sol 1 – H271 Acute Tox. 4 – H302 Acute Tox. 4 – H332 Aquatic Chronic 2 – H411

4. FIRST AID MEASURES

Skin Contact:	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.
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 immediately. Continue to rinse.
Ingestion:	Rinse mouth thoroughly. DO NOT Induce vomiting. Get medical attention immediately.
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.
General Advice:	Remove affected person from source of contamination. Remove contaminated clothing immediately and dispose of safely.

VITAX SAFETY INFORMATION SHEET

Date of Issue: 21/10/2013

Revision: N/A

4. FIRST AID MEASURES (CONTINUED)

Advice to Doctors: This product contains a Pyrethroid, and MUST NOT be confused with organophosphorus compounds.

Most important symptoms and affects, both acute and delayed.

Symptoms/injuries after inhalation: Smoke may cause upper airway irritation.
Symptoms/injuries after skin contact: May cause irritation/ eczema. May cause sensitisation by skin contact.
Symptoms/injuries after eye contact: May cause temporary eye irritation.
Symptoms/injuries after ingestion: Burning in mouth, vomiting, nausea, tremors and convulsions may occur.
Route of entry: Inhalation, skin and/or eye contact. Ingestion.

5. FIRE FIGHTING MEASURES

Extinguishing media

Suitable Extinguishing Media: Alcohol resistant foam, carbon dioxide (CO₂), Water fog.

Unsuitable Extinguishing Media: High volume water jet.

Advice for fire fighters

Precautionary measures fire: No naked lights. No smoking.
Fire fighting instructions: Avoid breathing fire vapours. Containers close to fire should be removed or cooled with water. Dike and collect extinguishing water.
Protection during fire fighting: Self contained breathing apparatus and full protective clothing must be worn in case of fire.
Other information: In case of fire evolution of dangerous gases is possible. Contains potassium chlorate which is classified as an oxidising agent. This will assist combustion in a fire situation.

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 discharge into drains, water courses or onto the ground. Spillages or uncontrolled discharges into watercourse must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

Spillages: Avoid contact with skin or inhalation of spillage, dust or vapour. Remove spillage with vacuum cleaner. If not possible, collect spillage with shovel, broom or the like. Collect spillages in containers, seal securely and deliver for disposal according to local regulations. Do not contaminate water sources or sewer.

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

VITAX SAFETY INFORMATION SHEET

Date of Issue: 21/10/2013

Revision: N/A

7. HANDLING & STORAGE

Precautions for safe handling

Precautions for safe handling:

Read and follow manufacturers recommendations. Avoid inhalation of dust and contact with skin and eyes. Do not eat, drink or smoke when using the product.

Conditions for safe storage

Storage condition:

Keep away from heat, sparks and open flame.

Incompatible products:

Keep separate from feedstuffs, fertilisers and other sensitive material

Maximum storage period:

At least 2 years – when stored in original, unopened container at ambient temperatures.

Storage Area:

Store in tightly closed original container in a dry and cool place.

Packaging material:

Keep only in the original container.

Other information:

Keep in pesticide store- product is an insecticide of low toxicity.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Ingredients comments:

When using this product, refer to the label for details. Should it be necessary to enter the treated area while smoke remains in the atmosphere, respiratory protective equipment and eye protection must be used.

Personal protective equipment:

Gloves. Gas mask. Safety glasses.



Hand protection:

For prolonged or repeated skin contact, use suitable gloves.

Eye protection:

Wear approved chemical safety goggles where eye exposure is reasonably probable.

Respiratory protection:

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

Skin Protection:

Wear apron or protective clothing in case of contact.

Hygiene Measures:

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

Environmental exposure controls:

Notify authorities if product enters sewers or public waters.

9. PHYSICAL & CHEMICAL PROPERTIES

Physical State

Powder

Colour

White/ off white

Odour

Characteristic

Solubility

Slightly Soluble in water

Auto Ignition Temperature (°C)

>130

Other Information

No data available

VITAX SAFETY INFORMATION SHEET

Date of Issue: 21/10/2013

Revision: N/A

10. STABILITY & REACTIVITY

Chemical stability:	Stable under normal temperature conditions and recommended use.
Possibility of Hazardous reaction:	None under normal conditions.
Conditions to Avoid:	Avoid exposure to high temperatures or direct sunlight
Incompatible materials:	Flammable/ combustible material.
Hazardous decomposition products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

11. TOXICOLOGICAL INFORMATION

Toxicological information :	Oral LD50 (rat) 1479 mg/kg Permethrin
	Oral LD50 (rat) 1260 mg/kg potassium chlorate

12. ECOLOGICAL INFORMATION

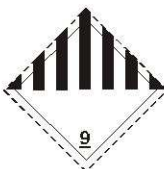
Toxicity:	Acute Fish Toxicity	
	Very toxic to aquatic organisms	
	LC50, 96Hrs, Fish mg/l	0.0076
	EC50, 48 Hrs, Daphnia, mg/l	0.00017
	IC50, 72 Hrs, Algae, mg/l	0.497

13. DISPOSAL CONSIDERATIONS

Waste Treatment Method	
General Information:	This material and container must be disposed of in a safe way.

14. TRANSPORT INFORMATION

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

UN No:	3077
UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID (PERMETHRIN MIXTURE)
Class (UN) :	9
Hazard labels (UN) :	9
	
Packing group (UN):	III
Environmental hazards:	

VITAX SAFETY INFORMATION SHEET

Date of Issue: 21/10/2013

Revision: N/A

Special Precautions for user

EMS F-A, S-F

Emergency action code 90

Hazard identification number (Kelmer No): 90

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

15. REGULATORY INFORMATION

UK Regulatory References This product is approved under the Control of Pesticides Regulations 1986. HSE No. 7187.

16. OTHER INFORMATION

General Information: The product is approved under the Control of Pesticide Regulations 1986 (as amended). 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.

Date: 21/10/2013
Revision date: N/A
Revision: N/A

Risk Phrases In Full

R9 Explosive when mixed with combustible material
R20/22 Harmful if swallowed
R43 May cause sensitisation by skin contact
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Hazard statements in full

H332 Harmful if inhaled
H302 Harmful if swallowed
H317 May cause an allergic skin reaction
H271 May cause fire or explosion; strong oxidiser
H411 Toxic to aquatic life with long lasting effects
H410 Very toxic to aquatic life with long lasting effects
H400 Very toxic to aquatic life