

Product Safety Data Sheet

Vulcan NP 18

READY-FOR-USE PARAFFIN-BASED INSECTICIDE

HSE No. 7420

1) Identification of the substance, its preparation, and the supplying company.

Product Name : Vulcan NP 18
Product Code : VCNP18
Intended Use : Insecticide for the control of crawling and (resting) flying insects
Supplier : PelGar International Ltd., Unit 13, Newman Lane Industrial Estate,
Alton. Hants GU34 2QR . UK.
Telephone & Fax : Tel 44(0) 1420 80744 Fax 44(0) 1420 80733

2) Composition and information on the ingredients.

Composition : 0.3 % w/w pyrethrins and 1.5% w/w piperonyl butoxide

Common Name	Classification	CAS No.	Symbol	% w/w
Natural pyrethrins		8003-34-7		0.30
Piperonyl Butoxide		51-3-6		1.50

3) Hazards Identification

Hazard Classification for supply and use -

Health Hazards: Combustible Liquid. Oil mists may be formed

HARMFUL, MAY CAUSE LUNG DAMAGE IF SWALLOWED

Health Hazards: Harmful to fish and aquatic life



4) First Aid Measures

Ingestion : If swallowed, DO NOT INDUCE VOMITING, give small amounts of water or milk. Take the victim to a doctor immediately and show him this information.

Skin Contact : Remove contaminated clothing. Wash exposed areas of skin immediately with water and as soon as possible with soap and water. Contaminated clothing should be washed and dried before re-issue.

Eye Contact : Hold eye(s) open and then irrigate with copious amounts of warm water for at least 10 - 15 minutes. Obtain medical advice immediately.

Inhalation : Unlikely to present an inhalation hazard under normal conditions of use. Remove victim to open air. Obtain medical advice immediately as a precaution.

Further Medical treatment:

Gastric lavage may be effective when performed within 4 hours of ingestion.

Aspiration of this material into the lungs should be avoided owing to the risk of pulmonary oedema.

Symptomatic treatment and supportive therapy as indicated.

5) Fire Fighting Measures.

Keep fire exposed container cool by spraying with water. Wear protective clothing. This product is not classified as flammable for supply and use but may fuel a fire and produce toxic fumes (oxides of carbon) in the event of a fire.

Self-contained breathing apparatus should be worn by fire-fighting personnel. Avoid run-off into water courses and contain run-off with temporary earth barriers or with other chemical sorptives.

Extinguishing Media : Do not use water-jets to extinguish fires or disperse spilt product, use carbon dioxide, dry powder, halon extinguishant or alcohol foam.

6) Accidental release measures.

Suitable protective clothing should be worn during removal of spills. Eye protection, chemically resistant gloves, boots and coveralls should be worn. Spillages should be covered with moist sand, soil or sawdust, and then transferred to a suitable container for disposal. Wash the contaminated area with water, or detergent and water, taking care to prevent the washings from entering surface water drains.

Spillages or uncontrolled discharges into water courses must be notified to the appropriate Regulatory Authority or to the National River Authority.

7) Handling and Storage

Handling : Product must be handled in a safe manner. Read the label before use, wear the recommended personal protective clothing and avoid contact with skin or eyes. Do not smoke drink or eat whilst using the product. Wash hands and face before eating, drinking or smoking.

Storage : Store in original container under cool and dry conditions in a secure (lockable), well ventilated place, inaccessible to children and away from foodstuffs, and animal feedstuffs.

Physically and chemically stable for at least two years when stored un-opened at ambient temperatures in the original sales packs.

8) Exposure controls and personal protection
 When using this product refer to the label for details.

Occupational Exposure Limit

	Long-term Exposure Limit (8 hr TWA reference period)		Short-term exposure Limit (15 minute reference period)	
	ppm	mg m ⁻³	ppm	mg m ⁻³
Odourless Kerosene		5		10

9) Physical and Chemical properties

Form	:	Mobile liquid
Colour	:	Straw coloured
Odour	:	Characteristic paraffinic
PH	:	Not applicable
B.Pt (Deg. C)	:	200-250 ° C
M. Pt. (Deg. C)	:	Not available
Flash Point (Deg. C)	:	>70°C
Auto Ignition Temp (Deg. C)	:	>200°C
Explosive Properties	:	0.6-8.0 %
Oxidising Properties	:	Not available
Vapour Pressure (mm Hg)	:	0.5 mBar
Solubility (Water)	:	Immiscible @ 20 ° C
Partition coefficient	:	Not applicable
Specific Gravity	:	0.810

10) Stability and Reactivity

Hazardous Decomposition Product	:	Combustion or thermal decomposition will evolve toxic and irritant vapours. Product is stable under normal conditions, avoid mixing with other chemicals or alkalis.
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11) Toxicological Information

Ingestion	:	Oral Median Lethal Dose for the technical pyrethrins is c. 1,400 in corn oil. Oral Median Lethal Dose for the kerosene is > 5,000 Calculated MLD for this product is therefore >>> 2,000 mg/kg (rat). Ingestion may cause vomiting and nausea.
Skin Contact	:	Dermal Median Lethal Dose >> 2000 mg/kg (rat) Prolonged contact Vulcan NP 18 with skin may cause irritation and/or dermatitis
Eye Contact	:	Vulcan NP 18 may irritate eyes.
Inhalation	:	Inhalation may cause headaches, dizziness, anaesthesia and other systemic effects. Vapour concentrations above the OEL (2,000 mg/m ³) are irritating to eyes and respiratory tract. Unlikely to cause a problem in normal conditions of use, however, aspiration of liquid product into the lungs may cause broncho-pneumonia or pulmonary oedema.

12) Ecological Information

Toxicity	:	Toxic to aquatic organisms. Toxic to bees.
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13) Disposal Considerations

Product : Do not contaminate ponds, waterways or ditches with product or empty packs.
Pack : Dispose of product and empty packs according to Local Authority and National requirements. For further guidance read the "Code of Practice for the Safe Use of Pesticides on Farms and Holdings" available from HMSO

14) Transport Information

UN No. : 3082
UN Pack. Group : III
ICAO/IATA Class
-primary : 9 MISCELLANEOUS DANGEROUS SUBSTANCES
SEA
IMDG Class, primary : 9 MISCELLANEOUS DANGEROUS SUBSTANCES
Marine Pollutant :
Proper Shipping Name : ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (contains natural pyrethrins 0.3 % w/w)
ROAD/RAIL
ADR/RID Class :
Proper Shipping Name : ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (contains natural pyrethrins 0.3 % w/w)

15) Regulatory Information

EEC Classification : Harmful – harmful if swallowed
Hazard Symbol : Xn
Safety Phrases : R51 Toxic to aquatic organisms
R57 Toxic to bees
R65 Harmful : May cause lung damage if swallowed.
S2 Keep out of reach of children.
S20/21 When using, do not eat, drink or smoke.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S27 Take off immediately all contaminated clothing
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S38 In case of insufficient ventilation, wear suitable respiratory equipment
S57 Use appropriate containment to avoid environmental contamination.
S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

16) **If you require any further information please contact PelGar International Ltd.**