

Product Safety Data Sheet

Vulcan P ME
MICRO-EMULSION READY-FOR-USE INSECTICIDE

HSE No. 7442

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

Product Name : Vulcan P ME
Product Code : VCNPME
Intended Use : Insecticide for the control of crawling and (resting) flying insects
Supplier : PelGar International Ltd., Peak Centre, Liphook. Hants GU30 7TN. UK.
Telephone & Fax : Tel 44(0) 1428 722 250 Fax 44(0) 1428 722 811

2) Composition and information on the ingredients.

Composition : 0.30 % w/w permethrin, 0.15 % w/w tetramethrin and 0.75 % w/w piperonyl butoxide

Common Name	Classification	CAS No.	Symbol	% w/w
Permethrin (25:75 cis:trans)		52645-53-1	Xn	0.30
Tetramethrin		7696-12-0	Xn	0.15
Piperonyl butoxide		51-3-6		0.75
Hydrocarbon solvent		64742-94-5	F, Xn	< 1
Alcohol Ethoxylate			Xi	< 10

3) Hazards Identification

Hazard Classification for supply and use - None
Health Hazards:

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 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:
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 but may 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

9) Physical and Chemical properties

Form	:	Liquid
Colour	:	Clear
Odour	:	Characteristic mild, soapy
PH	:	6-8
B.Pt (Deg. C)	:	Not available
M. Pt. (Deg. C)	:	Not applicable
Flash Point (Deg. C)	:	Not applicable
Auto Ignition Temp (Deg. C)	:	Not available
Explosive Properties	:	Not available
Oxidising Properties	:	Not available
Vapour Pressure (mm Hg)	:	Not applicable
Solubility (Water)	:	Miscible with water
Partition coefficient	:	Not applicable
Specific Gravity	:	1.000 – 1.010

10) Stability and Reactivity

Hazardous Decomposition Product	:	Product is stable under normal conditions, avoid mixing with other chemicals or alkalis.
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11) Toxicological Information

This material when packaged in a soluble sachet presents a reduced hazard.

This health hazard assessment is based on the technical grade material.

Ingestion	:	From the 'Pesticide Manual' (10 th Ed.), using an averaged value for the technical material of c. 500 mg/kg then the Oral Median Lethal Dose for the finished product is >> 2000 mg/kg (rat). May irritate throat and stomach.
Skin Contact	:	Dermal Median Lethal Dose >> 2000 mg/kg (rat) Prolonged contact Vulcan P ME with skin may cause irritation and/or dermatitis.
Eye Contact	:	Vulcan P ME may irritate eyes.
Inhalation	:	May irritate the respiratory tract and cause headaches and dizziness.

12) Ecological Information

Toxicity	:	This product should not enter water discharge systems. Toxic to aquatic organisms
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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. : Not Classified
UN Pack. Group :
ICAO/IATA Class
-primary :
SEA
IMDG Class, primary
Marine Pollutant :
Proper Shipping Name :

ROAD/RAIL
ADR/RID Class :
Proper Shipping Name :
ADR/RID Item No. :

15) Regulatory Information

This substance is covered by the EU Dangerous Substances Directive (CPL Regulations). It has therefore been labelled in accordance with these regulations.

EEC Classification :
Hazard Symbol :
Safety Phrases : R51 Toxic to aquatic organisms.
R57 Toxic to bees.
S2 Keep out of reach of children.
S20 When using do not eat or drink
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.**
