

Product Safety Data Sheet

Vulcan P5 DP

PYRETHROID INSECTICIDE DUSTABLE POWDER

HSE No. 7334

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

Product Name : Vulcan P5 DP
Product Code : VP5DP
Intended Use : Residual 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 : 0.5 % w/w permethrin as a dustable powder

Common Name	Classification	CAS No.	Symbol	% w/w (w/v)
Permethrin		52645-53-1		0.50

3. Hazards Identification

Hazard Classification for supply and use -
Health Hazards: May cause flammable dust clouds in air
Toxic to fish and aquatic life

4. First Aid Measures

Ingestion : If swallowed, make the victim drink plenty of water and take the victim to a doctor immediately and show him this information.
Do not induce vomiting.

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.. 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.
Symptomatic treatment and supportive therapy as indicated.

5. Fire Fighting Measures.

This material can form flammable dust clouds at elevated temperatures.

Keep fire exposed container cool by spraying with water.

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. Respiratory protection equipment should be used to provide protection against toxic dusts. Spillages should be covered with moist sand, soil or sawdust, and then transferred to a suitable container for disposal. Protect against dust. 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
		2.5		

9. Physical and Chemical properties

Form	:	Powder
Colour	:	Off white / pale cream
Odour	:	Slightly aromatic
pH	:	7
B.Pt (Deg. C)	:	Not available
M. Pt. (Deg. C)	:	Not available
Auto Ignition Temp (Deg. C)	:	>450°C
Flash Point	:	>100°C
Explosive Properties	:	Not available
Oxidising Properties	:	Not applicable
Vapour Pressure (mm Hg)	:	0.5 nPa @70°C
Solubility (Water)	:	Not applicable
Partition coefficient	:	1,000,000 (octanol/water)
Specific Gravity	:	0.6 (bulk)

10. Stability and Reactivity

Hazardous Decomposition Products	:	Combustion or thermal decomposition will evolve toxic and irritant vapours.
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11. Toxicological Information

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

Ingestion	:	Oral Median Lethal Dose for the technical material is c. 500 in corn oil, calculated MLD for this product is therefore >> 10,000 mg/kg (rat).
Skin Contact	:	Dermal Median Lethal Dose > 4000 mg/kg (rat)
Eye Contact	:	Unlikely to present a hazard during normal use.
Inhalation	:	Unlikely to present a hazard during normal use.

12. Ecological Information

Toxicity	:	Harmful to fish and other aquatic wildlife. 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

Not Classified as Dangerous for Conveyance

15. Regulatory Information

Not Classified as Dangerous for Supply.

This substance is covered by the Control of Pesticides Regulations (1986). It has therefore been labelled in accordance with these regulations.

User’s should ensure that they comply with any relevant local, state or national legislation.

EEC Classification	:	Under the Classification, Packaging and Labelling of Dangerous Substances Regulations (1984), this material is not dangerous for supply or conveyance.	
Hazard Symbol	:		
Risk Phrases		R51	Toxic to aquatic organisms
		R53	May cause long term effects in the aquatic environment
		R57	Toxic to bees
Safety Phrases		S2	Keep out of reach of children.
		S13	Keep away from food, drink and animal feeding stuffs.
		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.
		S37/39	Wear suitable gloves and eye/face protection.
		S46	If swallowed, seek medical advice immediately and show the label.
		S56	Dispose of this material and its container to hazardous or special waste collection point

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