

Product Safety Data Sheet

Vulcan KD WP

WETTABLE POWDER RESIDUAL INSECTICIDE WITH SYNERGISED KDA

HSE No. 7295

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

Product Name : Vulcan KD WP
Product Code : VKDWP
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 : 34.0 % w/w cypermethrin as a wettable powder
3.26 % Tetramethrin
3.26 % Piperonyl Butoxide

Common Name	Classification	CAS No.	Symbol	% w/w (w/v)
Cypermethrin		052315-07-8	T	34.0
Tetramethrin		7696-12-0		3.26

3. Hazards Identification

Hazard Classification for supply and use -

Health Hazards: May cause tingling or numbness in exposed areas (paraesthesia)
May cause flammable dust clouds in air
Very toxic to fish and aquatic life

4. First Aid Measures

Ingestion : If swallowed, 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 2 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
		0.5		

9. Physical and Chemical properties

Form	:	Powder
Colour	:	Off white / pale cream
Odour	:	Slightly aromatic
pH	:	Not available
B.Pt (Deg. C)	:	Not available
M. Pt. (Deg. C)	:	Not available
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	:	0.4 - 0.5
Flammable Powder Class	:	A
Min. Ignition Temperature	:	450-500 deg C

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

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

Ingestion	:	Oral Median Lethal Dose shown in IPCS/EHC 82 provides a value >> 2000 mg/kg (rat) for a 50 % aqueous suspension of the technical material. From the 'Pesticide Manual', using an averaged value for the technical material of c 2000 mg/kg then the formulation toxicity is >> 5000 mg/kg (rat). NOTE - Reported toxicological values vary widely.
Skin Contact	:	Dermal Median Lethal Dose > 2000 mg/kg (rat) Vulcan KD WP is not classified as a skin irritant, but may cause irritation in sensitive individuals
Eye Contact	:	Vulcan KD WP is not classified as an eye irritant, but as a powder product may cause eye irritation in sensitive individuals.
Inhalation	:	Inhalation Median Concentration > 2500 mg/cubic metre [4-hr exposure] (rat)

12. Ecological Information

Toxicity	:	Harmful to fish and other aquatic wildlife.
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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. : 3077
 UN Pack. Group : III
 ICAO/IATA Class
 -primary : Not applicable
 :
 SEA
 IMDG Class, primary : 9 MISCELLANEOUS DANGEROUS SUBSTANCES
 :
 Marine Pollutant : Classified as a Marine Pollutant
 Proper Shipping : ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S.
 Name : (contains cypermethrin 34 % w/w)
 ROAD/RAIL :
 ADR/RID Class : 9
 Proper Shipping : ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S.
 Name : (contains cypermethrin 34 % w/w)
 ADR/RID Item No. : 12 (c)

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.

EU Classification :
 Hazard Symbol :
 Safety Phrases : R36/37/38 Irritating to eyes, respiratory system and skin.
 R52 Harmful to aquatic organisms.
 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.

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