



SAFETY DATA SHEET

Vulcan KD WP (HSE No.: 7295)

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Revision No. 3

Issue date: 19 December 2006

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

Product name	Vulcan KD WP
Company	PelGar International Ltd Unit 13, Newman Lane Industrial Estate, Newman Lane, Alton, Hampshire GU34 2QR Tel +44 (0) 1420 80744 Fax +44 (0) 1420 80733
Product code	209

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components	Cypermethrin 30-40% Xn; R22, R37/38, R43 N, 50/53
	Tetramethrin 1-10% CAS: 7695-12-0 N;R50/53
	Piperonyl butoxide 1-10% N;R50/53
	Propylene glycol 1-10% CAS: 57-55-6
	Silicon dioxide 40-50%

3. HAZARDS IDENTIFICATION

Most important hazards	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. May cause tingling or numbness in exposed areas (paraesthesia)
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4. FIRST AID MEASURES

Skin contact	Remove contaminated clothing Wash off immediately with soap and plenty of water. If irritation persists obtain medical attention Contaminated clothing should be washed and dried before re-use.
Eye contact	Rinse immediately with plenty of water for at least 15 minutes. If irritation persists obtain medical attention
Inhalation	Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough. Move to fresh air. Obtain medical advice immediately.
Ingestion	Do not induce vomiting. If conscious give a small amount of milk or water to drink and obtain medical attention. Show the container label or this safety data sheet to the doctor
General advice	In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Keep fire exposed containers cool by spraying with water if exposed to fire. Fight surrounding fire with dry chemical, foam or water spray.
Extinguishing media which must not be used for safety reasons	Do not use water jets

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Specific hazards	This product is not flammable May decompose if involved in a fire, producing toxic and irritant fumes. This product can form flammable dust clouds at elevated temperatures.
Special protective equipment for firefighters	In the event of fire, wear a self-contained breathing apparatus, a chemical protection suit, gloves and boots.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear suitable protective clothing, gloves and eye/face protection. See section 8.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Contain leaking product with earth or sand. Do not let product enter drains. If substance has entered a watercourse or sewer or contaminated soil or vegetation, inform the appropriate authority.
Methods for cleaning up	Cover with inert absorbent material. Transfer to a suitably labelled container. Subsequently, wash the contaminated area with water, or detergent and water, taking care to prevent the washings from entering surface water drains.

7. HANDLING AND STORAGE

Handling	Avoid contact with skin and eyes. If dusts or spray mists are likely, wear a suitable approved respirator and tight fitting goggles. If skin contact is likely to occur wear rubber gloves and suitable impervious protective clothing. Use in a well ventilated area where possible. Always use good personal hygiene procedures when handling chemicals. Do not smoke eat or drink while handling this product. Wash hands, face and exposed skin after using, and before eating, drinking or smoking. Read the label before use.
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from food and animal feedstuffs

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limit(s)	Propylene glycol TWA(ppm):150 TWA(mg/m3):470 Silicon dioxide TWA(mg/m3):6 (Total Dust) 2.4 (Respirable dust).
Respiratory protection	Suitable approved respirator if exposed to spray mists
Hand protection	Rubber or plastic gloves
Eye protection	Wear tight fitting goggles
Skin and body protection	Impervious clothing, boots

9. PHYSICAL AND CHEMICAL PROPERTIES

Description	Powder
Colour	Off-white
Odour	Characteristic
pH	Not applicable
Boiling point/range	Not applicable
Flash point	Not applicable
Flammability (solid, gas)	This product can form flammable dust clouds at elevated temperatures.
Relative density	0.4 - 0.5
Water solubility	Miscible

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Conditions to avoid	Heat, flames and sparks.

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Materials to avoid	Strong oxidising agents
Hazardous decomposition products	Combustion or thermal decomposition will produce toxic and irritant fumes

11. TOXICOLOGICAL INFORMATION

Acute toxicity	ORL RAT LD50 < 2000 mg/kg DERMAL RAT LD50 > 2000 mg/Kg
Sensitisation	May cause sensitisation of susceptible persons by skin contact or by inhalation of aerosol or dust.
Repeated or prolonged exposure	Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitisation of susceptible persons.
mutagenic effects	Not available
carcinogenic effects	Not available

12. ECOLOGICAL INFORMATION

Ecotoxicity effects	Toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.
Further Information	This product must not enter water discharge system. Inform appropriate authority if large spillage enters drains.

13. DISPOSAL CONSIDERATIONS

General Information	Dispose of as hazardous waste in compliance with local and national regulations.
Contaminated packaging	Dispose of as unused product.

14. TRANSPORT INFORMATION

ADR/RID

UN-No	3077	Packing group	III
Class	9	Hazard ID	90
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains cypermethrin, tetramethrin and piperonyl butoxide)		

IMO

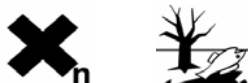
UN-No	3077	Packing group	III
Class	9	Marine pollutant	YES
EmS	F-A S-F		

IATA-DGR

UN-No	3077	Packing group	III
Class	9	packaging	911

15. REGULATORY INFORMATION

Symbol(s): Xn - Harmful; N - Dangerous for the environment



R-phrase(s) R22 - Harmful if swallowed.
R37/38 - Irritating to respiratory system and skin.
R43 - May cause sensitization by skin contact.
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s) To avoid risks to man and the environment, comply with the instructions for use.
S 1/2 - Keep locked up and out of the reach of children.
S13 - Keep away from food, drink and animal feeding stuffs.
S24 - Avoid contact with the skin.
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S29 - Do not empty into drains.
S60 - This material and its container must be disposed of as hazardous waste.
S61 - Avoid release to the environment. Refer to special instructions/safety data sheets.

16. OTHER INFORMATION

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**Text of R phrases
mentioned in Section 2**

R22 - Harmful if swallowed.
R37 - Irritating to respiratory system.
R38 - Irritating to skin.
R43 - May cause sensitization by skin contact.
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Recommended restrictions

Insecticide for professional use only.

**Sources of key data used
to compile the datasheet**

CHIP 2002
EH40
Raw material suppliers Safety Data Sheets.

Replaces:

Revision No.: 2 Changes to Section 2, 16. Changes in classification of piperonyl butoxide