



SAFETY DATA SHEET

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Vulcan 5 SC (HSE No.: 6423)

Revision No. 2

Issue date: 01 September 2005

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

Product name	Vulcan 5 SC
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	408

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components	Alpha-cypermethrin 1-10% CAS: 67375-30-8 EINECS: 257-842-9 T;R25 Xi;R37 Xn;R48/22 N;R50/53 Silicon dioxide 1-10%
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3. HAZARDS IDENTIFICATION

Most important hazards	Harmful if swallowed. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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4. FIRST AID MEASURES

Skin contact	May cause skin irritation in susceptible persons. 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	May cause eye irritation of susceptible persons. Rinse immediately with plenty of water for at least 15 minutes. If irritation persists obtain medical attention
Inhalation	Inhalation of mist or spray, may cause irritation of the respiratory system. Move to fresh air. Obtain medical advice immediately.
Ingestion	Harmful if swallowed. 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	The product itself does not burn. 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
Specific hazards	This product is not flammable May decompose if involved in a fire, producing toxic and irritant fumes.
Special protective equipment for firefighters	In the event of fire, wear a self-contained breathing apparatus and 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.
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Environmental precautions	Prevent further leakage or spillage if safe to do so. Contain or absorb leaking liquid 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	Soak up 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	If splashing is likely to occur wear approved eye protection. If spray mists are likely, wear a suitable approved respirator. 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)	Silicon dioxide TWA(mg/m ³):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	If splashes are likely to occur, wear goggles
Skin and body protection	Impervious clothing boots

9. PHYSICAL AND CHEMICAL PROPERTIES

Description	Liquid
Colour	White
Odour	Characteristic
pH	6 - 7
Boiling point/range	No Data
Flash point	Not applicable
Flammability	Not applicable
Vapour pressure	Not available
Relative density	1.1 - 1.5
Water solubility	Completely miscible

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Conditions to avoid	Heat, flames and sparks.
Hazardous decomposition products	Combustion or thermal decomposition will produce toxic and irritant fumes

11. TOXICOLOGICAL INFORMATION

Acute toxicity	ORL RAT LD50 > 4000mg/Kg (calculated) DERMAL RAT LD50 > 5000mg/Kg (calculated).
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Repeated and / or prolonged exposure may cause irritation and may cause skin sensitisation in sensitive individuals.

Sensitisation May cause sensitisation of susceptible persons by skin contact or by inhalation of aerosol.

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 3082

Class 9

Packing group III

Hazard ID 90

Proper shipping name ENVIRONMENTALLY
HAZARDOUS SUBSTANCE,
LIQUID, N.O.S. (contains alpha-
cypermethrin)

IMO

UN-No 3082

Class 9

EmS F-A S-F

Packing group III

Marine pollutant YES

IATA-DGR

UN-No 3082

Class 9

Packing group III

packaging 914

15. REGULATORY INFORMATION

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



R-phrases) R22 - Harmful if swallowed..

R51/53 - 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.

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S29 - Do not empty into drains.

S37/39 - Wear suitable gloves and eye/face protection.

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

Text of R phrases mentioned in Section 2 R25 - Toxic if swallowed.
R37 - Irritating to respiratory system.
R48/22 - Harmful: danger of serious damage to health by prolonged exposure if swallowed.

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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 Number 1 Changes to Section 2, 3, 4, 13, 15, 16