



International

SAFETY DATA SHEET

Page 1 of 5

VULCAN P5 DP (HSE No.:7334)

Revision 3
Revision date 21-Jul-2008

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name VULCAN P5 DP
Company PelGar International Ltd
Unit 13 Newman Lane Industrial Estate
Newman Lane
Alton Hampshire
GU34 2QR
philip@pelgar.co.uk
www.pelgar.co.uk
Telephone Tel +44 (0) 1420 80744
Fax Fax +44 (0) 1420 80733
Emergency telephone number Tel +44 (0) 1420 80744
Product code 100.

2 HAZARDS IDENTIFICATION.

Main hazards Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3 . COMPOSITION / INFORMATION ON INGREDIENTS.

Hazardous ingredients

	Conc.	CAS	EINECS	Symbols/Risk phrases
Silicon dioxide	10-20%	7631-86-9	231-545-4	
Propylene Glycol DiAcetate	1-10%	623-84-7	210-817-6	
Permethrin 29	0.5-1%	52645-53-1	258-067-9	Xn; R20/22 Xi; R43 N; R50/53
China Clay	60-70%			

4. FIRST AID MEASURES

Skin contact Remove contaminated clothing. Wash off immediately with plenty of soap and 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 15 minutes holding the eyelids open. If irritation persists obtain medical attention.

Inhalation Move the exposed person to fresh air. Obtain medical advice immediately.

Ingestion DO NOT INDUCE VOMITING. If conscious give a small amount of water to drink and obtain medical attention. Obtain medical advice immediately. Show the container label or this safety data sheet to the doctor, give patient up to ½ litre or 1 pint of water to drink. .

General information In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Print date 23-Jul-2009

VULCAN P5 DP

Revision 3
Revision date 21-Jul-2008

5. FIRE FIGHTING MEASURES

Extinguishing media	Keep fire exposed containers cool by spraying with water if exposed to fire. Fight surrounding fire with dry chemical foam or waterspray.
	Do NOT use ... Water jet.
Fire hazards	This product is not flammable. May decompose if involved in a fire, producing toxic and irritant fumes.
Protective equipment	In the event of fire. Wear self-contained breathing apparatus. A chemical protection suit, Suitable 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 spillage if safe. Contain leaking product with earth or sand. Prevent liquid entering water courses, sewers or basements. If substance has entered a watercourse or sewer or contaminated soil or vegetation, inform the appropriate authority.
Clean up methods	Contain leaking product with earth or sand. Transfer to a suitably labelled container. Subsequently, wash the contaminated area with water, taking care to prevent the washings entering sewers or drains.

7. HANDLING AND STORAGE

Handling	Avoid formation of dust. 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. Always use good personal hygiene procedures when handling chemicals. Use in a well ventilated area where possible. 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 in a cool, dry, well ventilated area. Keep containers tightly closed. Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

Silicon dioxide	WEL 8-hr limit ppm:	WEL 8-hr limit mg/m3: 6 inhalable dust,
	WEL 15 min limit ppm:	2.4 respirable dust
		WEL 15 min limit mg/m3:
China Clay	WEL 8-hr limit ppm:	WEL 8-hr limit mg/m3: 2 (respirable)
	WEL 15 min limit ppm:	WEL 15 min limit mg/m3:

Engineering measures	Ensure adequate ventilation of the working area.
Respiratory protection	If levels approach the WEL, then suitable approved respiratory protection should be worn.
Hand protection	Chemical resistant gloves (plastic)
Eye protection	Tight fitting goggles if exposed to excessive dust.
Protective equipment	Wear protective clothing. Rubber boots.

VULCAN P5 DP

Revision 3
Revision date 21-Jul-2008

9. PHYSICAL AND CHEMICAL PROPERTIES

Description	Powder.
Colour	Off white.
Odour	Characteristic.
Boiling point	No data
Flash point	Not applicable.
Flammability limits	Finely dispersed dust clouds may cause a dust explosion.
Oxidising	Not applicable.
Vapour pressure	Not available.
Relative density	0.6 (Bulk density)
Water solubility	insoluble in water.

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

Toxicological information

Permethrin	Dermal Rat LD50 = 750 mg/kg Oral Rat LD50 = 430 mg/kg
------------	--

Acute toxicity	ORL RAT LD50 >10000mg/kg. DERMAL RAT LD50 > 4000mg/kg.
Sensitization	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.
Reproductive toxicity	Product does not contain any components known to have effects on fertility.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
--------------------	--

Permethrin 29 ATP	Rainbow trout LC50/96h = 0.1 µg/l
-------------------	-----------------------------------

13. DISPOSAL CONSIDERATIONS

General information	Dispose of in compliance with all local and national regulations.
Disposal of packaging	Dispose of as unused product.

VULCAN P5 DP

Revision 3
Revision date 21-Jul-2008

14. TRANSPORT INFORMATION

ADR/RID

UN 3077
Class 9

Packing group III
Hazard ID 90

Proper Shipping Name ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, SOLID, N.O.S,
(permethrin 0.5%).

IMDG

UN 3077
Class 9
EmS Code F-A S-F

Packing group III
Marine pollutant .

IATA

UN 3077
Class 9
Packing Instruction 911
(Cargo)
Packing Instruction 911
(Passenger)

Packing group III
Subsidiary risk -
Maximum quantity 400 kg
Maximum quantity 400 kg

15. REGULATORY INFORMATION

Labelling

Covered by the Control of Pesticides Regulations (1986). It has been labelled in accordance with those regulations.

Symbols

N - Dangerous for the environment



Risk phrases

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases

To avoid risks to man and the environment, comply with the instructions for use.
S29 - Do not empty into drains.

Statutory Conditions relating to use

The (COSHH) Control of Substances Hazardous to Health Regulations 2002 may apply to the use of this product at work. Maximum Dose, 25 gm per 1 square metres treatable surface. Engineering control of operator exposure must be used where reasonably practicable in addition to the following items of personal protective equipment. Wear suitable protective clothing (coveralls) and synthetic rubber/pvc gloves when using. Avoid excessive contamination of coveralls and launder regularly. Do not breathe dust. Otherwise wear respiratory protective equipment and eye protection (see HSE Guidance Booklet HS (G) 53: " Respiratory Protective Equipment - a practical guide for users"). However, engineering controls may replace personal protective equipment if a COSHH assessment shows that they provide an equal or higher standard of protection. Do not contaminate foodstuffs, eating utensils or food contact surfaces. Cover water storage tanks before application. This material and its container must be disposed of in a safe way. Exclude all persons and animals during treatment. Do not apply directly to animals. Hazardous to bees. Extremely dangerous to fish and other aquatic life. Remove or cover fish tanks and bowls before application. Do not contaminate waterbodies or watercourses with chemicals or the used container. All bats are protected under the Wildlife and Countryside Act 1981. Before treating any structures used by bats, consult English nature, Scottish Natural Heritage or the Countryside Council for Wales. Do not apply to clothing or bedding. READ ALL PRECAUTIONS BEFORE USE.

VULCAN P5 DP

Revision 3
Revision date 21-Jul-2008

16. OTHER INFORMATION

Text of risk phrases in Section 3.	R20/22 - Harmful by inhalation and if swallowed. R43 - May cause sensitisation by skin contact. R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the
Restricted use	Insecticide for professional use only.
Further information	Safety Data sheet Replacesrevision 2. Changes to section. 11,12,13, 14
Data sources	CHIP 2009 EH40 Raw material suppliers Safety Data Sheets.