

Safety Data Sheet
Vulcan P5 DP



This version issued: May 2015

1 – IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

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Relevant identified uses of the substance or mixture

Relevant identified uses: Ready for use insecticide containing Permethrin.

The supplier of the safety data sheet is PelGar International Ltd

Address :

PelGar International Ltd
Unit 13
Newman Lane
Alton
Hampshire
GU34 2QR
United Kingdom

Telephone : +44(0)1420 80744
E-mail: garry@pelgar.co.uk

2 – HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]



Skin Sensitizer, Category 1

Aquatic Acute Toxicity, Category 1

Aquatic Chronic Toxicity, Category 1

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Label elements : Labelling according Regulation (EC) No 1272/2008 [CLP]		
Signal Word : Warning		
 	Hazard statement(s) :	
	H317 H410 EUH401 Precautionary statement(s) : P102 P280 P262 P264 P273 P501 P220	May cause an allergic skin reaction. Very toxic to aquatic life with long lasting effects. To avoid risks to human health and the environment, comply with the instructions for use. Keep out of reach of children. Wear protective gloves/protective clothing/eye protection/face protection. Take off contaminated clothing and wash before reuse. Wash with soap and water thoroughly after handling. Avoid release to the environment. Dispose of contents/container in accordance with local regulations. Keep/Store away from food, drink and animal feeding stuffs.

Chemical nature

Biocidal product

3 – COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients (GHS) according to Regulation (EC) No. 1272/2008

Permethrin 29	
Content (W/W): <1 % CAS Number: 52645-53-1 EC-No. 258-067-9	Acute Toxicity, Oral, Cat 4 Acute Toxicity, Inhalation, Cat 4 Skin Sensitizer, Cat 1 Aquatic Acute, Cat 1 Aquatic Chronic, Cat 1 H302, H332, H317, H400, H410

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4 – FIRST-AID MEASURES

Description of first aid measures

General information: In case of accident, or if you feel unwell, seek medical advice immediately.

After inhalation: If symptoms develop move the exposed person to fresh air. Immediately obtain medical advice.

After skin contact: May cause an allergic skin reaction. Immediately take off all contaminated clothing. Rinse skin with copious amounts of water and wash with soap and water. If you feel unwell seek immediate medical advice.

After eye contact: May cause eye irritation in susceptible people. Rinse opened eye for several minutes under running water. If irritation persists consult a doctor.

After swallowing:

Rinse mouth and give 0.5 litres of water to drink. Do NOT induce vomiting. Call a doctor immediately.

5 – FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing agents: Keep fire exposed containers cool by spraying with water. Appropriate fire extinguishers are CO₂, Powder or Alcohol resistant foam. Use extinguishing media appropriate to the surrounding conditions. Do not use a water jet.

Special hazards arising from the substance or mixture: The product is not combustible but may decompose if heated with the formation of toxic and irritant gases such as carbon oxides, nitrogen oxides and hydrogen chloride gas.

Protective equipment: Wear self-contained respiratory protective device. A chemical protection suit and suitable gloves and boots should be worn.

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6 – ACCIDENTAL RELEASE MEASURES

Wear suitable protective clothing, gloves and eye/face protection.

Environmental precautions: Prevent leakage or spillage if safe to do so.

Methods and material for containment and cleaning up: Clean up promptly by sweeping or vacuuming. Transfer to a suitably labelled container.

Subsequently wash the contaminated area with water taking care to prevent washings entering sewers or drains.

Reference to other sections

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

7 – HANDLING AND STORAGE

Handling

Precautions for safe handling: Avoid contact with skin and eyes and avoid inhalation of dust. If inhaling dust is likely wear a suitable respirator. If skin contact is likely wear gloves and impervious protective clothing. Keep away from sources of ignition – No smoking, eating or drinking while handling this product. Always use good personal hygiene procedures when handling this product. Wash hands and face before eating, drinking or smoking. Read the label before use.

Conditions for safe Storage including incompatibilities

Store in a cool, dry location. Keep out of reach of children. Store only in the original receptacle. Keep container in a well-ventilated place. Keep away from sources of heat. Store away from foodstuffs.

8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure limits:

Silicon dioxide WEL 8-hr limit mg/m³: 6 inhalable dust, 2.4 respirable dust

China Clay WEL 8-hr limit mg/m³: 2 (respirable)

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Exposure controls

Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work. Ensure adequate ventilation of work area. If levels approach the WEL then approved respiratory protection should be worn.

Hand protection:

Suitable chemical resistant gloves are recommended.

Eye protection:

Tight fitting goggles if exposed to dust.

Body protection:

Body protection must be chosen depending on activity and possible exposure, for example apron, protective clothing, protecting boots.

General safety and hygiene measures:

Handle in accordance with good hygiene and safety practice. Wearing of closed work clothing is recommended. Avoid contact with the skin, eyes and clothing. Store work clothing separately.

9 – PHYSICAL AND CHEMICAL PROPERTIES

Form: Powder

Colour: Off white

Odour: Characteristic

Boiling Point: Not Applicable

Flash point: Not Applicable

Flammability limits: Finely dispersed dust clouds may cause a dust explosion.

Relative Density: 0.6 (Bulk Density)

Water Solubility: Insoluble

10 – STABILITY AND REACTIVITY

Reactivity

Stable under normal conditions.

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Chemical stability

Stable under normal conditions. Not explosive or oxidising.

Thermal decomposition / conditions to be avoided: The formation of toxic/irritant gases/vapours may occur if heated.

Conditions to avoid: Heat, sparks and open flames.

11 – TOXICOLOGICAL INFORMATION

Permethrin Oral Rat LD50 = 430 mg/kg

 Dermal Rat LD50 = 750

Skin corrosion/irritation

May cause skin irritation in susceptible people.

Serious eye damage/eye irritation

Dust may cause eye irritation.

Respiratory or skin sensitization

May cause sensitization in susceptible people by skin contact or by inhalation of dust.

Germ cell mutagenicity

No evidence to suggest that any ingredients are mutagenic.

Carcinogenicity

No evidence to prove that any of the ingredients are carcinogenic.

Reproductive toxicity

Product does not contain any ingredients known to have effects on fertility.

12 – ECOLOGICAL INFORMATION

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

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Permethrin 29 ATP

Rainbow trout LC50/96hr = 0.1 µg/l

13 – DISPOSAL CONSIDERATIONS

Waste treatment - Recommendation

Dispose of in accordance with national and local regulations.

European waste catalogue

The waste disposal key number from EWC is 20 01 19 (pesticides).

Contaminated packaging: Empty containers can be sent to landfill after cleaning if in compliance with local and national regulations.

14– TRANSPORT INFORMATION

ADR/RID

UN Number: UN3077

Class: Class 9

Packing group: Packing group III

Hazard ID: 90

Proper shipping Name: Environmentally Hazardous Substance, Solid, N.O.S.
(contains Permethrin)

IMDG

UN Number: UN3077

Class: Class 9

Packing group: Packing group III

Marine Pollutant

EMS Code: F-A, S-F

Proper shipping Name: Environmentally Hazardous Substance, Solid, N.O.S.
(contains Permethrin)

IATA/ICAO

UN Number: UN3077

Class: Class 9

Packing group: Packing group III

Proper shipping Name: Environmentally Hazardous Substance, Solid, N.O.S.
(contains Permethrin)

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15– REGULATORY INFORMATION

To avoid risks to man and the environment, comply with the instructions for use.

This information should be considered when making any hazard assessment.

Classification and labelling according to Regulation:

(EC) No 1272/2008 [EU-GHS/CLP]

16– OTHER INFORMATION

This Safety Data Sheet replaces all previous versions.

For proper and safe use of this product, please refer to the product label.

Abbreviations:

ADR: European agreement concerning the international carriage of dangerous goods by Road.

IMDG: International Maritime Dangerous Goods.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organisation

RID: Regulations concerning the International carriage of Dangerous goods by rail.

STOT: Specific Target Organ Toxicity

WHO: World Health Organisation

EU: European Union

PBT: Persistent, Bioaccumulative and Toxic

vPvT: very Persistent and very Bioaccumulative

SEVESO: The main piece of EU legislation that deals specifically with the control of on-shore major accident hazards involving dangerous substances.

H Phrase: Hazard phrase

EUH Phrase: A hazard phrase only used in Europe

P Phrase: Precautionary phrase

Exclusion of liability:

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