

MATERIAL SAFETY DATA SHEET

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PERMADUST

Manufactured & Distributed by:

Synvita CC

Registration Holder:

Lifeguard Sciences (Pty) Ltd
Reg. No. 2014/079879/07
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South Africa

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Griffon Poison Centre : (082) 4468946

1) IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Commercial Name:	Permadust
Appearance:	White/light grey, fine powder
Use:	Control of crawling insects
SA Registration Number:	L7999 of Act 36 of 1947
Namibia Registration Number:	N-AR1212
Zimbabwe Registration Number:	15-D-112-24

2) COMPOSITION / INFORMATION ON INGREDIENTS

Permethrin:	Pyrethroid	CAS No.: 52645-53-1
Piperonyl Butoxide:	Synergist	CAS No.: 51-03-6
Ingredients not precisely identified are proprietary or none hazardous.		

3) HAZARDS IDENTIFICATION

Permethrin is a non-systemic insecticide with contact and stomach action.
See Section 16.

4) FIRST AID MEASURES

Eye:	Wash thoroughly with clean water.
Skin:	Wash thoroughly with soap and water, avoid prolonged contact with skin.
Ingestion:	Wash mouth with water, seek medical attention immediately
Inhalation:	Avoid excessive inhalation. Remove person to a well ventilated area.
If misuse of this product results in accidental illness SEEK MEDICAL ADVICE PROMPTLY AND SHOW THIS MSDS TO THE MEDICAL PRACTITIONER	

5) FIRE FIGHTING MEASURES

The preparation is non-flammable. In the event of fire in the vicinity of the product, avoid inhaling fumes.

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6) ACCIDENTAL RELEASE MEASURES

Personal

Ensure adequate ventilation. No special personal protective equipment is needed.

Environmental

If large amounts of product are spilt take necessary precautions to protect the contamination of waterways and sewage systems.

Methods For Cleaning

Sweep up large spills. Place in suitable labelled containers. Prevent product from entering sewerage system.

7) HANDLING AND STORAGE

Handling Warnings

Do not eat or drink while working with product.

Precautions

Avoid contamination of food, feed stuffs and drinking water.

Storage

Store in a cool dry place, which is well ventilated.

8) EXPOSURE CONTROL/PERSONEL PROTECTION

In the manufacturing process minimise exposure in accordance with good hygiene practice. Ensure area is well ventilated.

9) PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Dusting Powder
Relative Density:	0,61
Colour:	White/Grey
Odour:	No characteristic odour
Solubility in water:	Non Soluble
Flammable limits in air by volume:	Upper: Not determined, powder system Lower: Not determined, powder system

10) STABILITY AND REACTIVITY

Stability:	Stable under normal conditions. (maintain between 4°C and 30°C)
Incompatibility/ materials to avoid:	None
Hazardous decomposition products:	Avoid inhalation of fumes

11) TOXICOLOGICAL INFORMATION

See data on toxicological of Permethrin as this product is untested.

(Permethrin)	LD ₅₀ acute oral in rats (corn oil):	1479 -4672 mg/kg
	LD ₅₀ acute dermal in rats:	>2000 mg/kg
(Piperonyl Butoxide)	LD ₅₀ acute oral, rats:	7960 mg/kg
	LD ₅₀ acute dermal, rats:	>8000 mg/kg

12) ECOLOGICAL INFORMATION

In soil and water, degradation is rapid DT%) in soil < 38 days. When used for the purpose for which it is intended, no ecological problems are to be expected from Permadust. Avoid contamination of the earth as well as surface and ground water.

13) DISPOSAL CONSIDERATION

The product and its packaging should be disposed of in accordance with Local Authority legislation. It should not be emptied into sewage systems, nor be disposed of in the environment.

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14) TRANSPORT INFORMATION

Symbol(s)

N: Dangerous to the environment

R- Phase

ADG	UN-Number:	3077
	Class:	9
	Packaging group:	111
IMDG	UN-Number:	3077
	Class:	9
	Packaging group:	111
	Marine pollutant	
IATA	UN-Number:	3077
	Class:	9
	Declaration of Road Shipment:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(PERMETHRIN MIXTURE)
	Declaration of Sea Shipment:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(PERMETHRIN MIXTURE)
	Declaration of Air Shipment:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(PERMETHRIN MIXTURE)

WHO Classification: 111 (slightly hazardous)

Classified as not dangerous for air, road and sea transport.

15) REGULATORY INFORMATION

Text of R phrases

R20/22:

Harmful by inhalation and if swallowed.

R43:

May cause sensitization by skin contact.

R50/53:

Very toxic to aquatic organisms, may cause long-term adverse effects in

the aquatic environment.

16) OTHER INFORMATION

The data contained herein is based on current knowledge and information on the date of publication and is given in good faith but without warranty. No responsibility is accepted for errors or omissions or the consequences thereof.