

MATERIAL SAFETY DATA SHEET

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IMPACT CS

Distributed by:

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1) IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Commercial Name:	IMPACT CS
Appearance:	Off-white Liquid
Use:	Residual Surface Spray for the control of flying and crawling insects
SA Registration Number:	L10163 of Act 36 of 1947
Namibia Registration Number:	N-AR1219
Zimbabwe Registration Number:	15-D-110-58

2) COMPOSITION / INFORMATION ON INGREDIENTS

Deltamethrin (30g/kg):	Synthetic Pyrethroid	CAS No.: 52918-63-5
Piperonyl Butoxide (150g/kg):	Synergist	CAS No.: 51-03-6

Ingredients not precisely identified are proprietary or none hazardous.

3) HAZARDS IDENTIFICATION

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

4) FIRST AID MEASURES

Eye:	Wash thoroughly with clean water and seek medical advise.
Skin:	Take off all contaminated clothing immediately. Wash-off thoroughly with soap and water. Avoid prolonged contact with skin. After skin contact: Apply Vitamin E cream. When symptoms persist or in all cases of doubt seek medical advice.
Ingestion:	Do not induce vomiting. 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 PROMPLTY AND SHOW THIS MSDS TO THE MEDICAL PRACTIONER.**

5) FIRE FIGHTING MEASURES

Water spray jet, carbon dioxide (CO₂), dry powder, foam. The preparation is non-flammable, fire extinguishing measures to suit surroundings. In the event of fire in the vicinity of the product, avoid inhaling fumes.

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6) ACCIDENTAL RELEASE MEASURES

PRECAUTIONS

Personal precautions:	Avoid dust formation. Avoid contact with spilled product or contaminated surfaces. When dealing with a spillage do not eat, drink or smoke.
Environmental precautions:	Keep people and animals away. Do not allow discharge into the drains/surface water/groundwater.
Methods for cleaning up:	Vacuum up spilled product. Transfer collected material to heavy duty plastic drums and keep safe for disposal.
Clean contaminated floors and objects thoroughly, observing environmental regulations.	

7) HANDLING AND STORAGE

Handling Warnings	Do not eat or drink while working with product. Avoid dust formations.
Precautions	Avoid contamination of food, feed stuffs and drinking water.
Storage	Keep container tightly closed in a dry and well-ventilated place away from direct sunlight. Store in a place accessible by authorized persons only.

8) EXPOSURE CONTROL/PERSONEL PROTECTION

Protective clothing:	Chemical resistant gloves (nitrile rubber, PVC disposable gloves), close fitting chemical resistant safety goggles and/or face shield, effective respiratory protection (dust mask) or EN149FFP1 or equivalent, full length protective clothing and PVC boots must be worn when handling this material in an emergency.
Hygiene measures:	When using, do not eat, drink or smoke. Remove soiled, contaminated clothing immediately. Remove soaked clothing immediately. Clean hands and face at work intervals and after work. Work in an adequately ventilated room.

9) PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Free flowing wettable powder
Relative Density:	0,43g/cm ³
Colour:	Off White
Odour:	Characteristic weak odour
Solubility in water:	Dispersible
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 35°C).
Incompatibility/ materials to avoid:	None
Hazardous decomposition products:	Avoid inhalation of fumes.

11) TOXICOLOGICAL INFORMATION

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

Deltamethrin	LD ₅₀ acute oral in rats:	>3500 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

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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 DELTA 7 Wettable Powder. 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, drains, nor be disposed of in the environment. The product may be taken to a waste disposal site or incinerator. Triple rinse container and do not reuse.

14) TRANSPORT INFORMATION

ADR/RID/ADN

UN Number:	3077
Class:	9
Hazard Number:	90
Packing group:	III
Declaration for land shipment: 3077	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (deltamethrin mixture)
Declaration for sea shipment: 3077	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (deltamethrin mixture)
Declaration for shipment by air: 3077	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (deltamethrin mixture)

Classified as not dangerous for transport.

15) REGULATORY INFORMATION

WARNINGS: Do not apply directly onto food. Keep out of reach of children, uninformed persons and animals. Toxic to aquatic organisms.

PRECAUTIONS: Do not breathe in dust excessively. Prevent contamination of foodstuffs, feed and drinking water.

Risk phrases:	R 23/25, 36/37/38, 51, 55, 57.
Safety phrases:	S 2, 13, 20/21, 24, 28, 36/39.
WHO classification:	III (slightly hazardous).

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.