

MATERIAL SAFETY DATA SHEET

Deltamost 1% SC

1. SUBSTANCE / PREPARATION & COMPANY IDENTIFICATION

Chemical Nature A water based preparation of a synthetic pyrethroid
Company Hockley International Limited, Hockley House, 354 Park Lane, Poynton, Stockport, Cheshire, SK12 1RL, United Kingdom
Emergency Telephone Number + 441625 878590

2. COMPOSITION / INFORMATION ON INGREDIENTS

No.	Ingredients	CAS Reg. No.	EEC No.	% w/w
1	(S)- α -cyano-3-phenoxybenzyl (1R)-cis-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate	52918-63-5	N/A	1.01 (1.02 w/v)
2	Amine salt of polyarylphenyl ether	105362-40-1	N/A	3.47
3	1,2-ethanediol	000107-21-1	N/A	5.94
4	Polydimethylsiloxanes emulsion mixture	63148-62-9	N/A	0.10
5	1,2-benzisothiazolin-3-one	2634-33-5	N/A	0.04
6	Xanthan gum	11138-66-2	N/A	0.44
7	Suspending agent	13463-67-7	N/A	3.43
8	Suspending agent	112945-52-5	N/A	1.47
9	Water	7732-18-5	N/A	84.10

EEC RISK CLASSIFICATION

No.	Ingredient	Classification & Hazard Labelling	EEC No.
1	Deltamethrin	R25, R20, R50, R53; S(1/2), S36/37, S45, S60/61	N/A

3. HAZARD IDENTIFICATION

EEC Symbols :- N
R50, R53, R57

4. FIRST AID MEASURES

Skin Contact : Wash off with plenty of water.
Eye Contact : Rinse immediately with water for at least 15 minutes. Get medical attention.
Inhalation : N/A
Ingestion : Get medical attention immediately. Drink plenty of water. In case of vomiting, beware of suffocation. Do not induce vomiting, unless you are First Aid Staff. Give nothing by mouth in case of unconsciousness or convulsions.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Water mist; Carbon dioxide; Foam; Dry Powder
Unsuitable Extinguishing Media	High pressure water jet
Exposure Hazards	Burning produces compounds of carbon, bromine, nitrogen and sulphur. Do not release chemically contaminated water into drains, soil or surface water. Sufficient measures must be taken to retain water used for extinguishing. Dispose of contaminated water and soil according to local regulations.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid contact with skin, eyes and clothing.
Environmental Precautions	Prevent contamination of soil, drains and surface waters.
Methods for Cleaning	Absorb in inert material and place in suitable and closable container.

7. HANDLING & STORAGE

Handling	Do no eat, drink or smoke at the workplace.
Storage	Keep away from food and drink. Store in the original container tightly closed, below 30°C

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Technical Protective Measures	None required
Exposure Control Limits	None
Respiratory Protection	Wear a suitable mask
Hand Protection	Wear suitable gloves
Eye Protection	Wear suitable goggles or face protection
Skin Protection	Wear overalls and closed footwear

9. PHYSICAL AND CHEMICAL PROPERTIES

Melting point / range	: N/A	Appearance	: White milky liquid
Boiling point / range	: 100°C	Odour	: Very low
Oxidising properties	: None	Density	: 1.08 +/- 0.05 @ 20°C
Auto flammability	: None	Flash Point	: N/A
Explosive properties	: None	Auto ignition	: N/A
Solubility in water	: Emulsifies	pH of 1% Solution	: 7
Vapour pressure	: 4m Pa @ 25°C	Viscosity	: 100 cSt @ 20°C
Partition coefficient	: Emulsifies (octanol / water)		

10. STABILITY AND REACTIVITY

Thermal Stability	Decomposes at 100°C
Conditions to Avoid	None
Materials to Avoid	Strong oxidizing agents, acids and mild alkalis
Hazardous Decomposition Products	None

11. TOXICOLOGICAL INFORMATION

Acute LD50 Oral Rats	: > 4000 mg/kg
Acute LD50 Dermal Rabbits	: > 6000 mg/kg
Acute LD50 Inhalation Rat (4 hr)	: > 25 mg/l air
Eye Irritation Rabbits	: Very low
Skin Irritation Rabbits	: Very low
Sensitization	: None
Carcinogenity	: None
Mutagenicity	: None
Reproductive Toxicity	: None
WHO Class	: III
EPA Toxicity Class	: III
ADI (Man) mg/kg	: 0.01 (Deltamethrin)

12. ECOLOGICAL INFORMATION

LC50 (96 hr) brown trout	0.05 mg/l
LC50 (24 hr) Daphnia magna	0.4 mg/l
Acute LD50 Oral Birds	> 8,000 (chickens)
Bee Toxicity LD50	10 mg/bee, toxic
% Biodegradability	95% in 1 year
Sewage Toxicity	Toxic

13. DISPOSAL CONSIDERATION

Incineration or landfill in accordance with local regulations. Contaminated packaging material should be treated as the product. Non-contaminated packing should be recycled.

14. TRANSPORT INFORMATION

UN No.	3082 Environmentally hazardous substance, liquid, nos (Deltamethrin) Marine Pollutant	
Imco 9	Packing Group III	
IATA Packing Instruction	914	
ADR	11° ©	
Flash Point	N/A	
First Aid Code	N/A	

15. REGULATORY INFORMATION

Classification	N	
Risk Phrases	R50	Very toxic to aquatic organisms
	R53	May cause long-term effects in the aquatic environment
	R57	Toxic to bees
Safety Phrases	S 2	Keep out of reach of children
	S 13	Keep away from food, drink and animal feeding stuffs
	S 36	Wear suitable protective clothing
	S 56	Dispose of this material and its container to hazardous or special waste collection point

16. OTHER INFORMATION

Incompatible with alkaline materials.

This product should be stored, handled and used in accordance with good industrial practices & in conformity with any legal regulation. This information is based on our present knowledge of your guidance on Safety requirements. It is not intended as a specification.