

SAFETY DATA SHEET

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Deltamost SC

Revision No. 0

Revision Date

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name Deltamost SC

Company Hockley International Ltd
Hockley House
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Poynton
Stockport
SK12 1RL

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components	Conc.	CAS	EINECS	Risks
1,2-Benzisothiazol-3(2H)-one	0 - 5%	2634-33-5	220-120-9	Xn;N;R22-38-41-43-50
Mono ethylene glycol	1 - 10%	107-21-1	203-473-3	Xn;R22
(S)-a-Cyano-3-phenoxybenzyl (1R,3R)-3-(2,2-dibromovinyl) -2,2-dimethylcyclopropanecarboxylate	1 - 5%	52918-63-5	258-256-6	T;R23 T;R25 N;R50/53

3. HAZARDS IDENTIFICATION

Most important hazards May cause sensitization by skin contact. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. FIRST AID MEASURES

Skin contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Inhalation Move to fresh air. Consult a physician.

Ingestion Immediate medical attention is required. Do not induce vomiting without medical advice. Immediately give large quantities of water to drink.

General advice First aider needs to protect himself. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

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5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Carbon dioxide (CO ₂). Dry powder. Foam. Water spray.
Extinguishing media which must not be used for safety reasons	High volume water jet.
Specific hazards	Burning produces compounds of carbon, nitrogen, and sulphur. . Do not release chemically contaminated water into drains, soil or surface water. Take care to retain water used for extinguishing and dispose of according to local regulations.
Special protective equipment for fire-fighters	In the event of fire, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Ensure adequate ventilation. Use personal protective equipment.
Environmental precautions	Avoid subsoil penetration. Do not allow material to contaminate ground water system. Do not contaminate surface water. Do not let product enter drains. Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Soak up with inert absorbent material and dispose of as hazardous waste.

7. HANDLING AND STORAGE

Handling	Avoid contact with skin and eyes. Do not breathe vapours or spray mist. Do not eat, drink or smoke when using this product.
Storage	Keep locked-up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep at temperatures below 30°C. Keep away from food, drink and animal feeding stuffs. Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limit(s)			
Ethane-1,2-diol vapour	WEL 8-hr limit ppm: 20	WEL 8-hr limit mg/m ³ : 52	
	WEL 15 min limit ppm: 40	WEL 15 min limit mg/m ³ : 104	
Engineering measures	Ensure adequate ventilation, especially in confined areas.		
Respiratory protection	Suitable mask with particle filter P3 (European Norm 143).		
Hand protection	PVC or other plastic material gloves.		
Eye protection	Face-shield. Goggles.		
Skin and body protection	Complete suit protecting against chemicals. Rubber or plastic boots.		

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9. PHYSICAL AND CHEMICAL PROPERTIES

Description	Liquid.
Colour	White.
Odour	Slight.
pH	6.5 - 7.5
Boiling point/range	100°C
Flammability (solid, gas)	Not Flammable
Explosive properties	None
Oxidizing properties	None
Vapour pressure	4 mPa @ 25°C
Relative density	1.05 +/- 0.05 @ 20°C
Water solubility	miscible.
Viscosity	100 cSt @ 20°C

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions. Stable under recommended storage conditions. Decomposition starting from 100°C.
Conditions to avoid	None.
Materials to avoid	Acids. Alkali metals. Strong oxidizing agents.
Hazardous decomposition products	None.

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11. TOXICOLOGICAL INFORMATION

Toxicological information

Deltamost SC	LD50/dermal/rat = > 10,000 mg/kg
	LD50/oral/rat = > 5,000 mg/kg
	LD50/dermal/rabbit = > 10,000 mg/kg
	LC50/inhalation/ 4 h/rat = > 25.0 mg/l

Primary irritation	Mild eye irritation. Mild skin irritation.
Sensitization	May cause sensitisation by skin contact.
Repeated or prolonged exposure	Prolonged exposure causes local irritation of skin and mucous membranes, especially to the eyes. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.
mutagenic effects	None.
carcinogenic effects	None.
Reproductive toxicity	None.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Deltamost SC	LC50/96h/rainbow trout = 91.0 ug/l
	LC50/96h/bluegill sunfish = 140.0 ug/l
	LC50/8 days/bobwhite quail = > 10,000 mg/kg
	LC50/8 days/mallard duck = > 10,000 mg/kg

Mobility	Immobile in most soils due to strong adsorption.
Persistence and degradability	Readily biodegradable.
Further Information	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Toxic to bees.

13. DISPOSAL CONSIDERATIONS

Specific methods	Can be incinerated, when in compliance with local regulations. Can be landfilled after chemical and physical treatment, when in compliance with local regulations.
Contaminated packaging	Empty containers can be landfilled after cleaning, when in compliance with local regulations.

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14. TRANSPORT INFORMATION

ADR/RID

UN-No	3082	Packing group	III
Class	9	Hazard ID	90
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains Deltamethrin)		

IMDG-Code

UN-No	3082	Packing group	III
Class	9	Marine pollutant	YES
EmS	F-A S-F		

IATA-DGR

UN-No	3082	Packing group	III
Class	9	Sub-risks	-
Packing instruction (cargo aircraft)	914	Maximum quantity	NO LIMIT
Packing instruction (passenger aircraft)	914	Maximum quantity	NO LIMIT

15. REGULATORY INFORMATION

Symbol(s)

Xi - Irritant



R-phrases

R43 - May cause sensitization by skin contact.
R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases

S23 - Do not breathe gas/fumes/vapour/spray.
S24 - Avoid contact with skin.
S37 - Wear suitable gloves.
S42 - During fumigation/spraying wear suitable respiratory equipment.
S51 - Use only in well-ventilated areas.

16. OTHER INFORMATION

Text of R phrases

mentioned in Section 2

R22 - Harmful if swallowed.
R23 - Toxic by inhalation.
R25 - Toxic if swallowed.
R38 - Irritating to skin.
R41 - Risk of serious damage to eyes.
R43 - May cause sensitization by skin contact.
R50 - Very toxic to aquatic organisms.
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.