



SAFETY DATA SHEET

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Alphamost SC

Revision 3
Revision date 6-May-2009

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name Alphamost SC

Company Hockley International Ltd
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Product code ALPHAC0100SCA

2 HAZARDS IDENTIFICATION.

Main hazards Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful if swallowed. Harmful: danger of serious damage to health by prolonged exposure if swallowed.

3 . COMPOSITION / INFORMATION ON INGREDIENTS.

Hazardous ingredients

	Conc.	CAS	EINECS	Symbols/Risk phrases
Proxel GLX	0-0.5%	2634-33-5	220-120-9	Xn; R22 Xi; R38-41 R43 N; R50
Mono ethylene glycol (Ethane-1,2-diol vapour)	1-10%	107-21-1	203-473-3	Xn; R22
Alpha-cypermethrin	1-10%	67375-30-8	257-842-9	T; R25 Xn; R48/22 Xi; R37 N; R50/53
Distilled Water	60-70%	7732-18-5	231-791-2	
Suspending Agent 200	1-10%	112945-52-5		Xi; R36/37/38
Suspending Agent 02	1-10%			
Xanthan Gum	0-0.5%	11138-66-2	234-394-2	
Polyarylphenyl Ether (Amine Salt)	1-10%	105362-40-1		
Aqueous Polydimethylsiloxanes	0-0.5%			

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4. FIRST AID MEASURES

Skin contact	Wash off immediately with plenty of soap and water. Remove contaminated clothing. May cause irritation to skin. Seek medical attention if irritation or symptoms persist.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Contact lenses should be removed. May cause irritation to eyes. Seek medical attention if irritation or symptoms persist.
Inhalation	Move the exposed person to fresh air. Seek medical attention. If breathing stops, provide artificial respiration.
Ingestion	Immediate medical attention is required. DO NOT INDUCE VOMITING. Drink 1 to 2 glasses of water. If breathing stops, provide artificial respiration. Never give anything by mouth to an unconscious person.
General information	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

5. FIRE FIGHTING MEASURES

Extinguishing media	Carbon dioxide (CO ₂) Dry chemical. Foam. Water. Do NOT use water jet.
Fire hazards	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.
Protective equipment	Wear: Self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Ensure adequate ventilation of the working area. Wear suitable protective equipment.
Environmental precautions	Do not let product contaminate subsoil. Do not allow product to enter drains. Do not flush into surface water. Prevent further spillage if safe.
Clean up methods	Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal.

7. HANDLING AND STORAGE

Handling	Avoid contact with eyes and skin. Do not breathe gas/fumes/vapour/spray. Do not eat, drink or smoke in areas where this product is used or stored. Do not empty into drains. Wear protective clothing.
Storage	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store at temperatures below 30 °C. Keep away from food, drink and animal feedingstuffs. Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

Mono ethylene glycol (Ethane-1,2-diol vapour)	WEL 8-hr limit ppm: 20 WEL 15 min limit ppm: 40	WEL 8-hr limit mg/m ³ : 52 WEL 15 min limit mg/m ³ : 104
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Mono ethylene glycol (Ethane-1,2-diol particulate)	WEL 8-hr limit ppm: - WEL 15 min limit ppm: -	WEL 8-hr limit mg/m ³ : 10 WEL 15 min limit mg/m ³ : -
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Engineering measures	Ensure adequate ventilation of the working area.
Respiratory protection	Suitable half mask respirator with filter P3 (EN 143)
Hand protection	Chemical resistant gloves (PVC)
Eye protection	Face shield. Approved safety goggles.
Protective equipment	Chemical resistant clothing. Rubber boots.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Description	Liquid.
Colour	White.
Odour	Slight.
pH	6.5 - 7.5
Boiling point	100°C
Flammability limits	Not Flammable
Explosive	None
Oxidising	None
Vapour pressure	10 kPa @ 25°C
Relative density	1.02 +/- 0.05 @ 20°C
Water solubility	miscible.
Viscosity	150 cSt @ 20°C

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions. Decomposition will start at 100°C.
Conditions to avoid	Direct sunlight.
Materials to avoid	Strong oxidising agents. Strong bases.
Hazardous decomposition products	Carbon oxides. Nitrogen oxides. Burning produces irritating, toxic and obnoxious fumes. Burning produces compounds of carbon, nitrogen and chlorine.

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11. TOXICOLOGICAL INFORMATION

Toxicological information

Alphamost SC	<p>Dermal Rat LD50 = 20,000 mg/kg Oral Rat LD50 = 4740 mg/kg Dermal Rabbit LD50 = 20,000 mg/kg Inhalation Rat LC50/1 h = 5.0 mg/l (R=0.00)</p>
Proxel GLX	<p>Dermal Rat LD50 = > 10,000 mg/kg Oral Rat LD50 = > 5,000 mg/kg Dermal Rabbit LD50 = > 10,000 mg/kg Inhalation Rat LC50/ 4 h = > 25.0 mg/l</p>
Mono ethylene glycol	<p>Dermal Rat LD50 = 4700 mg/kg</p>
Alpha-cypermethrin	<p>Dermal Rat LD50 = 2000 mg/kg Oral Rat LD50 = 474 mg/kg Dermal Rabbit LD50 = 2000 mg/kg Inhalation Rat LC50/4 h = 0.32 mg/l air</p>
Suspending Agent 200	<p>Oral Rat LD50 = 3160 mg/kg</p>
Suspending Agent 02	<p>Dermal Rat LD50 = > 5,000 mg/kg Oral Rat LD50 = > 20,000 mg/kg Dermal Rabbit LD50 = > 20,000 mg/kg Inhalation Rat LC50/ 4 h = > 20.0 g/l</p>
Polyaryphenyl Ether (Amine Salt)	<p>Dermal Rat LD50 = > 5,000 mg/kg Oral Rat LD50 = > 20,000 mg/kg Dermal Rabbit LD50 = > 20,000 mg/kg Inhalation Rat LC50/ 4 h = > 20.0 g/l</p>

Corrosivity	May cause irritation to eyes. May cause irritation to skin.
Sensitization	May cause sensitisation by skin contact.
Repeated or prolonged exposure	Prolonged or repeated exposure may cause irritation to skin and mucous membranes. May cause allergic reactions in susceptible people.
Mutagenic effects	None.
Carcinogenic effects	None.
Reproductive toxicity	None.

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12. ECOLOGICAL INFORMATION

Ecotoxicity

Proxel GLX	Rainbow trout LC50/96h = 121.3 ug/l Bluegill sunfish LC50/96h = 186.5 ug/l Quail LC50/8 days = > 10,000 mg/kg
Mono ethylene glycol	Daphnia LC50/48h = 46300 mg/L Rainbow trout LC50/96h = 41000 mg/L Bluegill sunfish LC50/96h = 27500-41000 mg/L
Alpha-cypermethrin	Daphnia LC50/48h = 0.0001 mg/l Rainbow trout LC50/96h = 0.0028 mg/l
Suspending Agent 02	Daphnia EC50/48h = 0.36 mg/l mg/l Lepomis_Macrochirus LC50/96h = 1.22 mg/l Rainbow trout LC50/96h = 1.66 mg/l Quail LC50/8 days = > 10,000 mg/kg
Xanthan Gum	Daphnia EC50/48h = 980 mg/l Fish LC50/96h = 320 mg/l
Polyarylphenyl Ether (Amine Salt)	Daphnia EC50/48h = 0.36 mg/l mg/l Rainbow trout LC50/96h = 1.66 mg/l Quail LC50/8 days = > 10,000 mg/kg Fish LC50/96h = 1.22 mg/l mg/l

Mobility Mobile in most soils.

Further information Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

13. DISPOSAL CONSIDERATIONS

General information	NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.
Disposal methods	Can be incinerated if in compliance with local and national regulations. Can be sent to landfill if in compliance with local and national regulations.
Disposal of packaging	Empty containers can be sent to landfill after cleaning, if in compliance with local and national regulations.

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UN 3082

Proper Shipping Name ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, LIQUID, N.O.S,
(contains Alpha-cypermethrin).Packing group III
Hazard ID 90

Class 9

IMDGUN 3082
Class 9
EmS Code F-A S-F**Packing group III**
Marine pollutant YES**IATA**UN 3082
Class 9
Packing Instruction 914
(Cargo)
Packing Instruction 914
(Passenger)**Packing group III**
Subsidiary risk -
Maximum quantity 450 L
Maximum quantity 450 L**15. REGULATORY INFORMATION****Symbols**

Xn - Harmful

**Risk phrases**R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R22 - Harmful if swallowed.
R48/22 - Harmful: danger of serious damage to health by prolonged exposure if swallowed.**Safety phrases**S1/2 - Keep locked up and out of the reach of children.
S13 - Keep away from food, drink and animal feedingstuffs.
S23 - Do not breathe gas/fumes/vapour/spray.
S42 - During fumigation/spraying wear suitable respiratory equipment.
S46 - If swallowed, seek medical advice immediately and show this container or label.
S51 - Use only in well-ventilated areas.

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16. OTHER INFORMATION

Text of risk phrases in Section 3.

R22 - Harmful if swallowed.
R25 - Toxic if swallowed.
R36/37/38 - Irritating to eyes, respiratory system and skin.
R37 - Irritating to respiratory system.
R38 - Irritating to skin.
R41 - Risk of serious damage to eyes.
R43 - May cause sensitisation by skin contact.
R48/22 - Harmful: danger of serious damage to health by prolonged exposure if swallowed.
R50 - Very toxic to aquatic organisms.
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Revision

This document differs from the previous version in the following areas:

- 2 - hazardous ingredients.
- 15 - symbols.
- 16 - text of risk phrases in Section 2.
- 5 - extinguishing media.