



SAFETY DATA SHEET

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Alphamost Supa-6

Revision 0
Revision date 04.06.2009

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name Alphamost Supa-6

Company Hockley International Ltd
Hockley House
354 Park Lane
Poynton
Stockport
SK12 1RL
mail@hockley.co.uk
www.hockley.co.uk

Telephone 01625 878590

Fax 01625 877285

Emergency telephone number 01625 878590 (9am - 5pm GMT)

Product code ALPHAC0060SCA

Intended use Insecticide. Pyrethroid.

2 HAZARDS IDENTIFICATION.

Main hazards Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Harmful if swallowed.

3 . COMPOSITION / INFORMATION ON INGREDIENTS.

Hazardous ingredients

	Conc.	CAS	EINECS	Symbols/Risk phrases
Alpha-cypermethrin	6%	67375-30-8	257-842-9	T; R25 Xn; R48/22 Xi; R37 N; R50/53
Distilled Water	70 - 80%	7732-18-5	231-791-2	
1,2 Ethanediol	1 - 10%	107-21-1	203-473-3	Xn; R22
Polyarylphenyl Ether (Amine Salt)	1 - 10%	105362-40-1		
Suspending agent	1 - 10%	13463-67-7	236-675-5	
Suspending Agent 200	1 - 10%	112945-52-5		Xi; R36/37/38
Xanthan Gum	0 - 0.5%	11138-66-2	234-394-2	
Emulsion of Polydimethylsiloxanes Silicone Antifoam	0 - 0.5%	63148-62-9		
Proxel GLX	0 - 0.5%	2634-33-5	220-120-9	Xn; R22 Xi; R38-41 R43 N; R50

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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. Harmful if swallowed.
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 (CO2) 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.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

1,2 Ethanediol	WEL 8-hr limit ppm: 20 WEL 15 min limit ppm: 40	WEL 8-hr limit mg/m3: 52 WEL 15 min limit mg/m3: 104
1,2 Ethanediol	WEL 8-hr limit ppm: 20 WEL 15 min limit ppm: 40	WEL 8-hr limit mg/m3: 52 WEL 15 min limit mg/m3: 104
1,2 Ethanediol	WEL 8-hr limit ppm: - WEL 15 min limit ppm: -	WEL 8-hr limit mg/m3: 10 WEL 15 min limit mg/m3: -
Suspending agent	WEL 8-hr limit ppm: - WEL 15 min limit ppm: -	WEL 8-hr limit mg/m3: 4 WEL 15 min limit mg/m3: -
Suspending agent	WEL 8-hr limit ppm: - WEL 15 min limit ppm: -	WEL 8-hr limit mg/m3: 4 WEL 15 min limit mg/m3: -
Suspending agent	WEL 8-hr limit ppm: - WEL 15 min limit ppm: -	WEL 8-hr limit mg/m3: 10 WEL 15 min limit mg/m3: -

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Description	Liquid.
Colour	White.
Odour	Slight.
Boiling point	100°C
Flash point	>65°C
Relative density	1.02
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	Burning produces compounds of carbon, nitrogen and chlorine.

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11. TOXICOLOGICAL INFORMATION

Toxicological information The values for the overall toxicity of the product are calculated using a formula.

Alphamost Supa-6	Dermal Rat LD50 = > 5000 mg/kg Oral Rat LD50 = > 5000 mg/kg Inhalation Rat LC50/1 h = 10.36 mg/l (R=<0.2)
Alpha-cypermethrin	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
Distilled Water	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)
1,2 Ethanediol	Oral Rat LD50 = 4700 mg/kg
Polyarylphenyl Ether (Amine Salt)	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
Suspending agent	Oral Rat LD50 = >10000 mg/kg
Suspending Agent 200	Oral Rat LD50 = 3160 mg/kg
Emulsion of Polydimethylsiloxanes Silicone Antifoam	Oral Rat LD50 = >17000 Dermal Rabbit LD50 = >2000
Proxel GLX	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

Acute toxicity	Harmful if swallowed.
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 The values for the overall ecotoxicity of the product are calculated using a formula.

Alphamost Supa-6	Algae EC50/72h = 1.7 Daphnia EC50/48h = 0.049 mg/l Fish LC50/96h = 0.047 mg/l
Alpha-cypermethrin	Daphnia LC50/48h = 0.0001 mg/l Rainbow trout LC50/96h = 0.0028 mg/l
1,2 Ethanediol	Daphnia EC50/48h = 41000 mg/l Fish LC50/96h = 10000 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
Suspending agent	Daphnia EC50/48h = 1000 mg/l Fish LC50/96h = 1000 mg/l
Xanthan Gum	Daphnia EC50/48h = 980 mg/l Fish LC50/96h = 320 mg/l
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

Mobility Mobile in most soils. Technical material has been reported as non-mobile (*) 57889.

Degradability Soil degradation of technical material, DT50 (days): 35 (*) Technical grade active ingredient is moderately persistent(*)

Bioaccumulation Bio-concentration factor of technical grade active indgredient: 1264 (*) Potential to bioaccumulate.

Further information Very 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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14. TRANSPORT INFORMATION

ADR/RID

UN 3082
Class 9
Packing group III
Hazard ID 90
Proper Shipping Name ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, LIQUID, N.O.S,
(Contains Alpha-cypermethrin.).

IMDG

UN 3082
Class 9
Packing group III
Marine pollutant YES
EmS Code F-A S-F

IATA

UN 3082
Class 9
Packing group III
Subsidiary risk -
Packing Instruction 914
(Cargo)
Maximum quantity 450 L
Packing Instruction 914
(Passenger)
Maximum quantity 450 L

15. REGULATORY INFORMATION

Symbols

Xn - Harmful; N - Dangerous for the environment



Risk phrases

R22 - Harmful if swallowed.
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases

S1/2 - Keep locked up and out of the reach of children.
S13 - Keep away from food, drink and animal feeding stuffs.
S23 - Do not breathe gas/fumes/vapour/spray
S29 - Do not empty into drains.
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.

Further information

Note: Physical and Chemical properties are typical values and do not constitute a specification. The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.

Data sources

(*) Information taken from "IUPAC AGROCHEMICAL INFORMATION":
<http://sitem.herts.ac.uk/aeru/iupac/index.htm>.