



# 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

<b>Skin contact</b>	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.
<b>Eye contact</b>	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.
<b>Inhalation</b>	Move the exposed person to fresh air. Seek medical attention. If breathing stops, provide artificial respiration.
<b>Ingestion</b>	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.
<b>General information</b>	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

## 5. FIRE FIGHTING MEASURES

<b>Extinguishing media</b>	Carbon dioxide (CO2) Dry chemical. Foam. Water. Do NOT use water jet.
<b>Fire hazards</b>	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.
<b>Protective equipment</b>	Wear: Self-contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

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

## 7. HANDLING AND STORAGE

<b>Handling</b>	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.
<b>Storage</b>	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: -

<b>Engineering measures</b>	Ensure adequate ventilation of the working area.
<b>Respiratory protection</b>	Suitable half mask respirator with filter P3 (EN 143)
<b>Hand protection</b>	Chemical resistant gloves (PVC)
<b>Eye protection</b>	Face shield. Approved safety goggles.
<b>Protective equipment</b>	Chemical resistant clothing. Rubber boots.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Description</b>	Liquid.
<b>Colour</b>	White.
<b>Odour</b>	Slight.
<b>Boiling point</b>	100°C
<b>Flash point</b>	>65°C
<b>Relative density</b>	1.02
<b>Viscosity</b>	150 cSt @ 20°C

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under normal conditions. Decomposition will start at 100°C.
<b>Conditions to avoid</b>	Direct sunlight.
<b>Materials to avoid</b>	Strong oxidising agents. Strong bases.
<b>Hazardous decomposition products</b>	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 = >5,000 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

<b>Acute toxicity</b>	Harmful if swallowed.
<b>Corrosivity</b>	May cause irritation to eyes. May cause irritation to skin.
<b>Sensitization</b>	May cause sensitisation by skin contact.
<b>Repeated or prolonged exposure</b>	Prolonged or repeated exposure may cause irritation to skin and mucous membranes. May cause allergic reactions in susceptible people.
<b>Mutagenic effects</b>	None.
<b>Carcinogenic effects</b>	None.
<b>Reproductive toxicity</b>	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** Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 13. DISPOSAL CONSIDERATIONS

<b>General information</b>	NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.
<b>Disposal methods</b>	Can be incinerated if in compliance with local and national regulations. Can be sent to landfill if in compliance with local and national regulations.
<b>Disposal of packaging</b>	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

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

### IMDG

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

### IATA

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

## 15. REGULATORY INFORMATION

### Symbols

Xn - Harmful; N - Dangerous for the environment



### Risk phrases

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R22 - Harmful if swallowed.

### Safety phrases

S13 - Keep away from food, drink and animal feedingstuffs.

S29/35 - Do not empty into drains; dispose of this material and its container in a safe way.

S46 - If swallowed, seek medical advice immediately and show this container or label.

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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>.