



## SAFETY DATA SHEET

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### Al-Cypernet 10 SC

Revision 3  
Revision date 6-May-2009

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

**Product name** Al-Cypernet 10 SC

**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** 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	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

<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.
<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.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure limits

Mono ethylene glycol	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
Mono ethylene glycol	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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

Al-Cypernet 10 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 = &gt; 10,000 mg/kg Oral Rat LD50 = &gt; 5,000 mg/kg Dermal Rabbit LD50 = &gt; 10,000 mg/kg Inhalation Rat LC50/ 4 h = &gt; 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 = &gt; 5,000 mg/kg Oral Rat LD50 = &gt; 20,000 mg/kg Dermal Rabbit LD50 = &gt; 20,000 mg/kg Inhalation Rat LC50/ 4 h = &gt; 20.0 g/l</p>
Polyarylphenyl Ether (Amine Salt)	<p>Dermal Rat LD50 = &gt; 5,000 mg/kg Oral Rat LD50 = &gt; 20,000 mg/kg Dermal Rabbit LD50 = &gt; 20,000 mg/kg Inhalation Rat LC50/ 4 h = &gt; 20.0 g/l</p>

<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

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

<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



### 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.