



# انجلو جلف المحدودة

## ANGLO GULF LIMITED

### MATERIAL SAFETY DATA SHEET

#### ALPHA-CYPERMETHRIN 100 g/l EC

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

**Product name** : Alpha-Cypermethrin 100 g/l EC  
**Group** : Pyrethroid insecticide  
**Manufacturer** : ANGLO GULF LIMITED  
**Address** : P.O.Box 16887  
Jebel Ali Free Zone, Jebel Ali, Dubai U.A.E.  
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#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization	CAS Registry No.	Concentration
Alpha-Cypermethrin	67375-30-8	100 g/l
Solvent naphtha light	64742-95-6	800 g/l
Other ingredients		100 g/l

A racemate comprising (S)- $\alpha$ -cyano-3-phenoxybenzyl (1R,3R)-3-(2,2-dichlorovinyl)-2,2-dimethyl cyclopropane carboxylate and (R)- $\alpha$ -cyano-3-phenoxybenzyl (1S,3S)-3-(2,2-dichlorovinyl)-2,2-dimethyl cyclopropane carboxylate (IUPAC) or alpha-Cypermethrin (E-ISO).

#### 3. HAZARDS IDENTIFICATION

Skin Non irritant. Eyes Mild irritant.

Inhalation May cause, after heavy exposure, hypersensitivity, ataxia, urinary incontinence.

Ingestion May cause hypersensitivity, ataxia, urinary incontinence.

Other information - Physical/chemical effects Flammable. Environmental effects Toxic to aquatic organisms.

#### 4. FIRST AID MEASURES

**Skin contact:** Remove all contaminated clothes and shoes. Wash off immediately with soap and plenty of water (15 - 20 minutes). Get medical attention immediately.

**Eyes contact:** Rinse immediately with plenty of water and seek medical advice.

**Inhalation:** Remove from exposure area to fresh air immediately. If breathing has stopped, perform artificial respiration. Keep person warm and at rest. Treat symptomatically and supportively. Get medical attention immediately.

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**Ingestion:** Do not induce vomiting. Remove by gastric lavage and catharsis. Maintain blood pressure and airway. Give oxygen if respiration is depressed. Do not perform gastric lavage if victim is unconscious Get medical attention immediately.

**Other information:** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Extinguishing media:** Dry chemical, carbon dioxide, halon, water spray or standard foam.

**Unsuitable extinguishing:** High pressure water jet media

**Special exposure hazards:** Do not release chemically contaminated water into drains, soil and surface waters.

**Special protective:** As for all fires involving chemicals: chemical protection suit, suitable gloves equipment for fire-fighters and boots, and self-contained breathing apparatus.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Use personal protective equipment.

**Methods for cleaning up:** Do not touch spilled material. Stop leak if you can do it without risk. For small spills, take up with sand or other absorbent material and place into containers for later disposal. Move containers from spill area. For larger spills, dike far ahead of spill for later disposal. Keep unnecessary people away. Isolate hazard area and deny entry. Ventilate closed space.

**Environmental precautions:** Prevent contamination of water.

### 7. HANDLING AND STORAGE

**Handling precautions** Keep product in original tightly closed container; avoid exposure by inhalation; do not get on skin, eyes or clothing; do not eat, drink or smoke when handling; wash hands before eating, drinking or smoking.

**Storage** Store in locked, well-ventilated storeroom, away from children and unauthorized personnel, and food and animal feed.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Ventilation:** Provide local exhaust or general dilution ventilation.

Exposure control limits -

**Respiratory protection:** Wear a suitable mask.

**Hand protection:** Wear rubber or plastic gloves.

**Eye protection:** Wear splash-proof or dust-resistant safety goggles.

**Skin and body protection:** Wear overalls and closed footwear.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: Liquid.
Colour	: Slight yellow to amber
Odour	: Aromatic odour.
pH as supplied	: 4 - 7
Boiling point / range	: 155 - 180°C
Melting point / range	: Not applicable.
Flash point	: 32°C minimum
Flammability	: Flammable
Oxidising properties	: None
Vapour pressure	: 20 - 30 Pa (solvent, 20°C)
Density at 20°C	: 0.91 (+/- 0.05) g/l
Water solubility	: Emulsifiable with water.
Partition coefficient	: Log Pow = 5.16 (alpha-Cypermethrin)

## 10. STABILITY AND REACTIVITY.

**Stability:** Stable under normal temperatures and pressures.

**Conditions to avoid:** No special precautions other than good housekeeping of chemicals.

**Material to avoid:** Strong oxidising agents.

**Hazardous decomposition:** Thermal decomposition products may include toxic and corrosive fumes of chlorides and toxic oxides of carbon and nitrogen.

## 11. TOXICOLOGICAL INFORMATION.

Acute LD50 oral rats	: 360 mg/kg
Acute LD50 dermal rats	: > 2 000 mg/kg
Acute LC50 inhalation rats (4 h)	: > 1.42 mg/l air
Eye irritation, rabbits	: Irritant
Skin irritation, rabbits	: Non-irritant
Skin sensitisation, guinea pigs	: Mild sensitiser
Carcinogen status	: Not carcinogenic
Mutagenicity	: Not mutagenic
Reproductive toxicity	: Not teratogenic
ADI (man) mg/kg	: 0.01 mg/kg b w

## 12. ECOLOGICAL INFORMATION.

Alpha-Cypermethrin Very toxic to fish.

96 hr LC50 (rainbow trout): 0.0028 mg/L

48 hr EC50 (daphnia magna): 0.1-0.3 ug/L

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### TERRESTRIAL TOXICITY:

**Oral LD50 (quail) :** >10,000 mg/kg

**Oral LD50 (mallard duck) :** >10,000 mg/kg

Toxic to bees.

**24 hr LD50 (bee):** 0.059 ug/bee

**14 day LD50 (earthworm):** >100 mg/kg artificial soil

### 13. DISPOSAL CONSIDERATIONS

**Pesticide disposal:** Burn in high temperature incinerator with effluent EC rubbing or bury in a specially designated landfill. Always dispose of in accordance with local regulations.

**Container disposal:** Contaminated packaging material should be treated as the Product.

### 14. TRANSPORT INFORMATION.

**UN No.** : 3351

**Class** : 6.1

**Packing group** : III

**Proper shipping name** : Pyrethroid pesticide, liquid, toxic, flammable (alphacypermethrin10%/naphtha solvent solution)

**Environmental risk** : Marine pollutant

### 15. REGULATORY INFORMATION.

Hazard symbol The harmful symbol (Xn)

The dangerous for the environment symbol (N)

Risk phrases R10 - Flammable.

R20/22 - Harmful by inhalation and if swallowed.

R36 - Irritating to the eyes.

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

R65 - Harmful: may cause lung damage if swallowed.

Safety phrases S2 - Keep out of the reach of children.

S13 - Keep away from food, drink and animal feeding stuffs.

S20/21 - When using do not eat, drink or smoke.

S23 - Do not breathe gas/fumes/vapour/spray.

S24/25 - Avoid contact with skin and eyes.

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

S29/56 - Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

S62 - If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

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## ANGLO GULF LIMITED

### 16. OTHER INFORMATION

MSDS last revision date 06.07.99

The information contained in this safety data sheet is given in good faith. It is accurate to the best of our knowledge and belief and represents the most up to date information. The information given in this data sheet does not constitute or replace the user's own assessment of work place risk as required by other health and safety legislation.

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