



انجلو جلف المحدودة

ANGLO GULF LIMITED

MATERIAL SAFETY DATA SHEET

Cypermethrin 10 EC

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

Product name : Cypermethrin 10 EC (pyrethroid insecticide for agricultural uses)
Manufacturer : ANGLO GULF LIMITED.
Address : P.O.Box 16887, Jebel Ali, Dubai, U.A.E.
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2. COMPOSITION/INFORMATION ON INGREDIENTS.

Ingredients	CAS Number	Concentration (g/l)
Cypermethrin	[52315-07-8]	100
Emulsifiers		80
Aromatic solvent		Q.S

3. HAZARDS IDENTIFICATION.

Hazardous component:

(R, S)-~~cyano~~-cyano-3-phenoxybenzyl (1RS, cis-3-(2-2-dichlorovinyl)- 2,2-dimethylcyclopropanecarboxylate&(R) -~~cyano~~-cyano-3-phenoxybenzyl(s) cis-3-(2-2-dichlorovinyl)- 2,2-dimethylcyclopropanecarboxylate (E-ISO)
Aromatic hydrocarbon solvent.

CAS Registry No: 67375-30-8 (Cypermethrin, correct stereochemistry)

Skin: Coetaneous paraesthesiae may occur including numbness, itching, burning, tingling and warmth.

Eyes: Mild irritant. Inhalation May cause, after heavy exposure, hypersensitivity, ataxia, urinary incontinence.

Ingestion: May cause hypersensitivity, ataxia, and urinary incontinence.

Other information: Physical/chemical effects Flammable product.

Environmental effects: Toxic to aquatic organism.

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 if irritation persists.

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

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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.

Ingestion does 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 and supportively

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.

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Skin and body protection: Wear overalls and closed footwear.

9. PHYSICAL AND CHEMICAL PROPERTIES.

Physical status	: Liquid.
Colour	: Slight light to brown.
Odour	: Solvent odour.
pH as supplied	: 4 – 7
Boiling point	: 155 - 180°C
Melting point	: Not applicable.
Flash point	: 58 °C
Flammability	: Flammable
Auto ignition	: None
Oxidising properties	: None
Density	: 0.915 – 0.935 at 20°C
Water solubility	: Miscible in water
Partition coefficient	: Log Pow 6.3 (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 emit toxic fumes of hydrogen cyanide and oxides of carbon and nitrogen.

11. TOXICOLOGICAL INFORMATION.

Acute - LD50 oral rats 1400 mg/kg (male rats)

Acute - LD50 dermal rat's > 4800 mg/kg

Acute - LD50 inhalation rats (4 h) > 3.37 mg/l air

Eye irritation rabbits - Non irritant

Skin irritation rabbits - Slight irritant

Skin sensitization guinea pigs - Weak skin sensitizer

Carcinogen status - Not carcinogenic

Mutagenicity - Not mutagenic

Reproductive toxicity - Not teratogenic

ADI mg/kg 0.05 mg/kg b w

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12. ECOLOGICAL INFORMATION.

LC50 (96 h) rainbow trout - 0.69 \oplus g/l (Cypermethrin technical)

Acute LD50 oral mallard ducks > 10 000 mg/kg (Cypermethrin technical)

Bee toxicity - Toxic to bees, LD50 (24 h, oral) 35 μ g/bee (Cypermethrin technical)

Aquatic invertebrates - *Daphnia magna* LC50 (48 h) 0.15 \oplus g/l (Cypermethrin technical)

Soil Hydrolysis of the ester bond occurs with c. 16 weeks followed by further hydrolytic and oxidative steps.

13. DISPOSAL CONSIDERATIONS.

Pesticide disposal - Burn in high temperature incinerator with effluent scrubbing or bury in a specially designated landfill. Always dispose of in accordance with local regulations

Container disposal - Bury empty containers eighteen inches below soil surface at a safer disposable site. In a non-crop land away from water supplies. Never reuse for food or water. The used packages shall not be left outside to prevent their reuse. Packages or surplus materials, washings from the machines and containers should be disposed of in a safer manner so as to prevent environmental or water pollution.

14. TRANSPORT INFORMATION.

UN No. 3351

Class 6.1

Packing group III

Proper shipping name Pyrethroid pesticide liquid toxic flammable (Cypermethrin 10%/aromatic solvent)

Environmental risk Marine pollutant

15. REGULATORY INFORMATION.

Hazard symbol - The harmful symbol (Xn)

The dangerous for the environment symbol - (N)

Risk phrases R10 - Flammable.

R22 - Harmful if swallowed.

R43 - May cause sensitisation by skin contact.

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

Safety phrases S2/13 - Keep out of reach of children, away from food, drink and animal feeding stuffs.

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

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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16. OTHER INFORMATION.

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 workplace risk as required by other health and safety legislation.

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