



# انجلو جلف المحدودة

## ANGLO GULF LIMITED

### MATERIAL SAFETY DATA SHEET

#### LAMBDA CYHALOTHRIN 5 EC (50G/L)

#### 1. PRODUCT IDENTIFICATION

Product Name	: Lambda cyhalothrin 5.0 EC (50g/l)
Chemical Class	: Pyrethroid Insecticide
Producer	: ANGLO GULF LIMITED
Address	: P.O.Box 16887 Jebel Ali, Freezone Dubai, UAE
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#### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Substance	CAS No.	Proportions (% w/w)
Lambda-Cyhalothrin Technical	91465-08-6	5.6
Blend of ionic and non ionic emulsifiers		8.0
Organic solvents		86.4

#### 3. HAZARD IDENTIFICATION

**Physical hazards** None

##### Acute Hazard Symptoms

**Inhalation** Burning sensation. Convulsions. Cough. Laboured breathing. Shortness of breath. Score throat.

**Eye** Redness Pain

**Skin** Redness Pain

**Ingestion** Abdominal pain. Cough

##### Prevention

**Exposure** Prevent dispersion of dust! Strict Hygiene!

**Inhalation** local exhaust or breathing protection.

**Eye** Safety spectacles.

**Skin** Protective clothing.

**Ingestion** Do not eat, drink, or smoke during work. Wash hands before eating.

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## 4. FIRST AID MEASURES

### First Aid

Exposure: In all cases consult a doctor!

### Ingestion

Do not induce vomiting. Provided the patient is conscious, wash out mouth with water. Vomiting should only be induced under the direction of a physician. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomitus. Immediately transport victim to an emergency facility.

### Eye

First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.

### Skin

Remove contaminated clothes. Rinse and then wash skin with water and soap.

### Inhalation

Remove victim to fresh air, rest. If not breathing, give artificial respiration preferably mouth-to-mouth. If breathing is labored, give oxygen. Obtain immediate medical attention.

### Advice to doctor

This product contains materials that may cause pneumonitis if aspirated. If ingestion has occurred less than 2 hours earlier, carry out careful gastric lavage; use end tracheal cuff if available, to prevent aspiration. Observe patient for respiratory difficulty from aspiration pneumonitis. Give artificial resuscitation and appropriate chemotherapy if respiration is depressed. Symptomatic treatment and supportive therapy as indicated.

## 5. FIRE FIGHTING MEASURES

### Extinguishing Media

For small fires, use alcohol-resistant foam, dry sand, carbon dioxide or dry powder extinguishant. For large fires, use foam or water-fog, avoid use of water jet. Contain run-off water with for example, temporary earth barriers.

### Fire and Explosion Hazards

Flash point: 43.0°C

Combustible Liquid. Keep fire exposed containers cool by spraying with water.

### Fire Fighting Instructions

Evacuate area and fight fire upwind from a safe distance to avoid hazardous vapors and decomposition products. Fire exposed containers can build up pressure and should be kept cool with water spray if possible. Explosive vapor could form from ruptured containers. Dike and collect water used to fight fire to prevent environment damage due to run off. Foam or dry chemical fire extinguishing systems are preferred to prevent Environmental damage from excessive water runoff. Self-contained breathing apparatus with full face - piece.



## 6. ACCIDENTAL RELEASE MEASURES

Contain spill and absorb with sand or proprietary absorbent (vermiculite). Prevent from entering drains, waterway or sewers. Collect in sealed open top containers for disposal. Generously cover the contaminated areas with common, household detergent brush in a small amount of water, work the detergent into the remaining spilled material forming slurry. Collect slurry in sealed open top container for disposal. This material is water pollutant and should be prevented from drainage systems and bodies of water.

### Disposal

Triple rinse containers, add rinsate to the spray tank, then offer container for recycling/reconditioning, or puncture top, sides and bottom and dispose of in landfill in accordance with local regulations. On-site disposal of concentrate is not acceptable. Waste disposal should be carried out by industrial incineration or burial at a site approved by local authorities.

## 7. HANDLING AND STORAGE

Keep out of reach of Children:

Use only in a well-ventilated area. Do not reuse empty containers. Keep the container closed when not in use. Keep away from food, feed and drinking water. Keep in a well - ventilated, dry place away from heat and other sources of ignition. Keep from freezing.

## 8. EXPOSURE CONTROLS / PERSONNEL PROTECTION

### Engineering Controls

Natural ventilation only required when handling the concentrate. A local exhaust should be used in confined areas to keep the level of solvent within acceptable limits.

### Personnel Protection

**Eyes Protection** Safety glasses or goggles.

**Clothing** Long sleeved shirt and long pants, shoes and socks.

**Gloves** Chemical resistant gloves.

**Respirator** All pesticide handlers must wear a respiratory protection device when working.

### User Safety Recommendations

Wash hands before eating, drinking, and chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	: Clear, yellow liquid free of visible impurities.
<b>Odour</b>	: Slightly aromatic.
<b>Boiling Point</b>	: Not available.

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<b>Melting Point</b>	: Not applicable
<b>Density</b>	: 0.900 ± 0.05 Kg/L
<b>Acidity as H<sub>2</sub>SO<sub>4</sub></b>	: <0.5 g/ Kg
<b>Flash point</b>	: 41°C
<b>Water content</b>	: < 2.0 g / Kg
<b>Solubility in water</b>	: Form emulsion.

### 10. STABILITY AND REACTIVITY

**Stability** Stable under room temperature.

**Incompatibility** Strong oxidizing agents. Acids and alkaline materials.

**Hazardous Polymerization** Will not occur

**Condition to avoid** Keep away from heat. Keep away from sources of ignition, No smoking.

**Hazardous Decomposition Products** Thermal decomposition products are toxic and may include hydrocarbons ammonia, organic and acid halides, oxide of carbon, nitrogen and sulfur.

### 11. TOXICOLOGICAL INFORMATION

**Formulation:** LD50 oral for rat the product > 1,700 mg/Kg

**Technical:** LD50 oral for rat for technical grade material used in the product:

Lambda-Cyhalothrin: 79 mg/Kg.

### 12. ECOLOGICAL INFORMATION

Keep out of water supplies ground water or open water. This product is very toxic to aquatic organisms. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

### 13. DISPOSAL CONSIDERATION

**Disposal Methods:** Do not contaminate ponds, waterways or ditches with chemical or used containers. Dispose of in facility permitted for hazardous waste.

**Container Disposal:** Empty container retains product residue. Triple rinse empty containers, return rinse water to dilution mixture, and dispose of dilution mixture as a hazardous waste if it cannot be disposed of by use according to label instructions. Do not reuse container. Offer if for recycling or reconditioning, or puncture and dispose of in properly permitted landfill.

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### 14. TRANSPORT INFORMATION

UN number	: 2903
Proper shipping name	: Pesticide, Liquid, Toxic, Flammable
Class	: 6.1
Subsidiary Risk	: N.A
Packing Group	: III
Marine Pollutant (P, PP, No)	: P

### 15. REGULATORY INFORMATION

Insecticide for Agricultural Use

### 16. OTHER INFORMATION

All information and instructions provided in this Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS and are presented in good faith and believed to be correct. This information applies to the product as such. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear. It is the responsibility of persons on receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produces formulations containing this product, it is the recipients sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.

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