



# انجلو جلف المحدودة

## ANGLO GULF LIMITED

### Material Safety Data Sheet

#### ACEPHATE 75% SP

#### 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND SUPPLIER

PRODUCT NAME	: ACEPHATE 75% SP
CHEMICAL FAMILY	: Organophosphate
CAS No.	: 30560-19-1
Manufacturer	: ANGLO GULF LIMITED
Address	: P.O. Box 16887, Jebel Ali, Dubai, U.A.E.
Tel	: +9714 8835039
Fax	: +9714 8835853
E: mail id	: <a href="mailto:agadxbme@emirates.net.ae">agadxbme@emirates.net.ae</a>
Website	: <a href="http://www.anglogulf.ae">www.anglogulf.ae</a>

#### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Symbol (s)	R-phrase (s)	Concentration [%]
Acephate	30560-19-1	2, 20, 24/25, 36	22	75.0%
None hazards	N/A	N/A	N/A	25.0%

#### 3. HAZARDS IDENTIFICATION

##### Emergency Overview

**CAUTION** Harmful if swallowed

Causes eye irritation

Avoid breathing dust or spray mist

Avoid contact with eyes, skin or clothing

Keep out of reach of children

##### Potential Health Effects

##### Signs and Symptoms of Systemic Effects:

This product contains a cholinesterase inhibitor. Signs and symptoms that may be seen, usually within several hours of exposure, include but are not limited to, headaches, dizziness, weakness, constriction of the pupil, blurred or dark vision, excessive salivation or nasal discharge, profuse sweating, abdominal cramps, nausea, diarrhea and vomiting. Severe poisonings may result in incontinence, unconsciousness, convulsions and death.

##### Inhalation

Based on an evaluation of the ingredients and/or similar products, this product is expected to be minimal toxic when inhaled. The degree of injury will depend on the amount of material inhaled and the speed and thoroughness of the first aid measure. The expected adverse systemic health effects are described above.

P.O. Box 16887, Jebel Ali Free Zone,  
Dubai, United Arab Emirates  
Tel: +971 4 883 50 39 Fax: +971 4 883 58 53  
Website: [www.anglogulf.com](http://www.anglogulf.com)

ص. ب. ١٦٨٨٧، جبل علي المنطقة الحرة  
دبي - الامارات العربية المتحدة  
هاتف: +٩٧١ ٤ ٨٨٣ ٥٠ ٣٩ فاكس: +٩٧١ ٤ ٨٨٣ ٥٨ ٥٣  
E-mail: [agadxbme@emirates.net.ae](mailto:agadxbme@emirates.net.ae)

Registered Address: P.O. Box 3136, Tortola, British Virgin Islands



# انجلو جلف المحدودة

## ANGLO GULF LIMITED

Exposure to high concentrations of dust may result in respiratory irritation. Signs and symptoms may include, but not be limited to, nasal discharge, sore throat, coughing and difficulty in breathing.

### **Skin Contact**

This product is expected to cause brief and/or minor irritation. The degree of injury will depend on the amount and duration of contact and the speed and thoroughness of the first aid measure. The expected adverse health effects resulting from and exposure may include redness and possibly some minor swelling.

This product is not expected to cause allergic skin reactions.

### **Eye Contact**

This product is expected to cause minimal or no eye irritation. The degree of injury will depend on the amount and duration of contact and the speed and thoroughness of the first aid treatment. The expected adverse health effects resulting from an exposure may include redness and possibly some minor swelling.

### **Ingestion**

This product has been shown to be slightly toxic when ingested. The degree of injury will depend on the amount of material ingested and the speed and thoroughness of the first aid measure. The expected adverse systemic health effects are described above.

### **Carcinogen Status**

High doses of Acephate Technical have produced cancer in mice but there is no evidence that Acephate Technical causes cancer in humans. EPA has classified

Acephate as a Group C (possible) human carcinogen based on the cancer produced in female mice. This product is not listed as a carcinogen by the national toxicology program (NTP), the International Agency for Research on Cancer (IARC), or the Occupational Safety and Health Administration (OSHA).

## **4. FIRST AID MEASURES**

### **Inhalation**

Move person to fresh air.

If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.

Call a poison control center or doctor for further treatment advice.

### **Skin contact**

Take off contaminated clothing.

Rinse skin immediately with plenty of water for 15-20 minutes.

Call a poison control center or doctor for treatment advice.

### **Eye contact**

Hold eye open and rinse slowly and gently with water for 15-20 minutes.

Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

Call a poison control center or doctor for treatment advice.

### **Ingestion**

Call a poison control center or doctor immediately for treatment advice.

Have person sip a glass of water if able to swallow.

Do not induce vomiting unless told to do so by the poison control center or doctor.

P.O. Box 16887, Jebel Ali Free Zone,  
Dubai, United Arab Emirates  
Tel: +971 4 883 50 39 Fax: +971 4 883 58 53  
Website: [www.anglogulf.com](http://www.anglogulf.com)

ص. ب. ١٦٨٨٧، جبل علي المنطقة الحرة  
دبي - الامارات العربية المتحدة  
هاتف: +٩٧١ ٤ ٨٨٣ ٥٠ ٣٩ فاكس: +٩٧١ ٤ ٨٨٣ ٥٨ ٥٣  
E-mail: [agadxbme@emirates.net.ae](mailto:agadxbme@emirates.net.ae)

Registered Address: P.O. Box 3136, Tortola, British Virgin Islands



# انجلو جلف المحدودة

## ANGLO GULF LIMITED

Do not give anything by mouth to an unconscious person.

### Notes to physician

Acephate is a cholinesterase inhibitor. Measurement of blood cholinesterase activity may be useful in monitoring exposure but decisions regarding treatment will usually need to be made before test results are available. If signs of cholinesterase inhibition appear, atropine sulfate is antidotal. 2-PAM (PROTOPAM) is also antidotal and may be used in conjunction with atropine but should not be used alone.

## 5. FIRE FIGHTING MEASURES

### Fire and Explosion Hazards:

There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. Violent steam generation or eruption may occur upon application of direct water stream on hot liquids. This product, if scattered, may form flammable or explosive dust clouds in air. Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

### Suitable extinguishing media

Preferred extinguishing media are carbon dioxide, dry chemical, foam, water fog.

### Specific protective equipment for fire fighters

When fighting fires involving significant quantities of this product, wear a splash suit complete with self contained breathing apparatus. Do not scatter spilled material with high pressure water jets.

**Flash point:** Not flammable.

## 6. ACCIDENTAL RELEASE MEASURES

### Environmental precautions

This pesticide is toxic to birds. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash waters.

Exposed treated seed may be hazardous to birds and other wildlife. Dispose of all excess treated seed and seed packaging by burial away from bodies of water.

This product and its degradation are highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

### Methods for cleaning up

Land spills or leaks:

Containment: Reduce airborne dust. Avoid runoff into storm sewers or other bodies of water.

Cleanup: Cleanup spill immediately. Vacuum or sweep up material and place in a chemical waste container. Wash area with soap and water. Pick up wash liquid with additional absorbent and place in a chemical waste container.

For spills in water:

Containment: This material will disperse or dissolve in water. Stop the source of the release. Contain and isolate to prevent further contamination of the soil, surface water, or ground water.

P.O. Box 16887, Jebel Ali Free Zone,  
Dubai, United Arab Emirates  
Tel: +971 4 883 50 39 Fax: +971 4 883 58 53  
Website: [www.anglogulf.com](http://www.anglogulf.com)  
Registered Address: P.O. Box 3136, Tortola, British Virgin Islands

ص. ب. ١٦٨٨٧، جبل علي المنطقة الحرة  
دبي - الامارات العربية المتحدة  
هاتف: +٩٧١ ٤ ٨٨٣ ٥٠ ٣٩ فاكس: +٩٧١ ٤ ٨٨٣ ٥٨ ٥٣  
E-mail: [agadxbme@emirates.net.ae](mailto:agadxbme@emirates.net.ae)



# انجلو جلف المحدودة

## ANGLO GULF LIMITED

Cleanup: Cleanup spill immediately. Absorb spill with inert material. Remove contaminated water for treatment or disposal.

### Additional advice

Information regarding safe handling see section 7.

Information regarding personal protective equipment see section 8.

Information regarding waste disposal, see section 13.

## 7. HANDLING AND STORAGE

### Handling:

Keep exposure to this product to a minimum, and minimize the quantities kept in work areas. Check Section 8 of this MSDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimize risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

### Storage:

Make sure that containers of this product are kept tightly closed. Keep pesticide in original container. Store in a cool, dry place away from excessive heat. Do not put concentrate or dilute into food or drink containers. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10. Check packaging - there may be further storage instructions on the label.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Use this material only in well ventilated areas. Unless ventilation is adequate to keep airborne concentrations below recommended exposure standards, approved respiratory protection should be worn.

**Eye protection** Do not get this material in your eyes. Eye contact can be avoided by wearing protective eyewear.

**Skin protection** Avoid contact with skin or clothing. Skin contact should be minimized by wearing protective clothing including gloves.

**Hygiene measures** Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Powder

### Color

White

P.O. Box 16887, Jebel Ali Free Zone,  
Dubai, United Arab Emirates  
Tel: +971 4 883 50 39 Fax: +971 4 883 58 53  
Website: [www.anglogulf.com](http://www.anglogulf.com)

ص. ب. ١٦٨٨٧، جبل علي المنطقة الحرة  
دبي - الامارات العربية المتحدة  
هاتف: +٩٧١ ٤ ٨٨٣ ٥٠ ٣٩ فاكس: +٩٧١ ٤ ٨٨٣ ٥٨ ٥٣  
E-mail: [agadxbme@emirates.net.ae](mailto:agadxbme@emirates.net.ae)

Registered Address: P.O. Box 3136, Tortola, British Virgin Islands



# انجلو جلف المحدودة

## ANGLO GULF LIMITED

<b>Odor</b>	A characteristic order (Sulfur Type)
<b>PH</b>	4.0-5.0
<b>Melting point/range</b>	115-125 °C
<b>Boiling point/range</b>	N/A
<b>Flammability</b>	Not flammable
<b>Vapour pressure</b>	0.226mPa at 24°C (Based on Acephate Technical)

### 10. STABILITY AND REACTIVITY

**Chemical stability:** Stable at normal ambient temperatures. Acephate can degrade on prolonged exposure to elevated temperature or at alkaline pH.

Materials to avoid contact with alkaline materials.

Decomposition Contact with alkaline materials including hypochlorite oxidants may produce noxious gases. Hazardous Polymerization will not occur

### 11. TOXICOLOGICAL INFORMATION

**Acute toxicity:** This product contains Acephate, a cholinesterase inhibitor. Acute overexposures by oral, dermal or inhalation routes may produce signs and symptoms of toxicity, usually within several hours of exposure, including but not limited to headaches, dizziness, weakness, constriction of the pupil, blurred or dark vision, excessive salivation or nasal discharge, profuse sweating, abdominal cramps, nausea, diarrhea and vomiting. Severe poisonings may result in incontinence, unconsciousness, convulsions and death.

**Eye irritation:**

No product specific data available. Acephate Technical produced minimal effects clearing within 24 hours (Toxicity Category).

**Skin irritation:**

No product specific data available. Acephate Technical produced slight and transient irritation was present at 72 hours after exposure (Toxicity Category).

**Dermal toxicity:**

The dermal LD<sub>50</sub> of Acephate Technical in rabbits is > 2 g/kg (Toxicity Category).

**Oral toxicity:**

Acephate Technical, the oral LD<sub>50</sub> in male rats is 688 mg/kg, the oral LD<sub>50</sub> in female rats is 1127 mg/kg, the LD<sub>50</sub> for the combined sexes is 846 mg/kg (Toxicity Category).

**Inhalation toxicity:**

P.O. Box 16887, Jebel Ali Free Zone,  
Dubai, United Arab Emirates  
Tel: +971 4 883 50 39 Fax: +971 4 883 58 53  
Website: [www.anglogulf.com](http://www.anglogulf.com)

Registered Address: P.O. Box 3136, Tortola, British Virgin Islands

ص. ب. ١٦٨٨٧، جبل علي المنطقة الحرة  
دبي - الامارات العربية المتحدة  
هاتف: +٩٧١ ٤ ٨٨٣ ٥٠ ٣٩ فاكس: +٩٧١ ٤ ٨٨٣ ٥٨ ٥٣  
E-mail: [agadxbme@emirates.net.ae](mailto:agadxbme@emirates.net.ae)



# انجلو جلف المحدودة

## ANGLO GULF LIMITED

No product specific data is available. The 4-hour LC<sub>50</sub> in rats of Acephate Technical, a similar product, is > 61.7 mg/L (Toxicity Category \_). Exposure to high concentrations of dust in the air may result in respiratory irritation.

### **Skin sensitization:**

Acephate Technical did not induce a positive skin sensitization reaction in the guinea pig using the maximization techniques.

### **Chronic/ carcinogenicity:**

High doses of Acephate Technical have produced cancer in mice but there is no evidence that Acephate Technical causes cancer in humans. EPA has classified Acephate as a Group C (possible) human carcinogen based on the cancer produced in female mice. This product is not listed as a carcinogen by the national toxicology program (NTP), the International Agency for Research on Cancer (IARC), or the Occupational Safety and Health Administration (OSHA).

### **Teratology/developmental toxicity:**

There is no evidence that Acephate Technical causes birth defects.

### **Reproduction:**

There is no evidence that Acephate Technical causes reproductive effects in humans.

### **Mutagenicity:**

Acephate Technical has been shown to have a weak potential to cause mutations when tested at high doses in microbes or cultured cells. However, the results of most in vivo assays indicate that Acephate Technical does not cause mutations in whole animals. Overall, Acephate is not considered to be a mutagenic hazard.

For a summary of the potential for adverse health effects from exposure to this product, refer to Section 3. For information regarding regulations pertaining to this product, refer to Section 15.

## 12. ECOLOGICAL INFORMATION

### **Ecotoxicity effect**

**Avian toxicity:** Acephate Technical is moderately toxic to birds.

Oral LD<sub>50</sub> Mallard duck: 350 mg/kg

Oral LD<sub>50</sub> Pheasant: 140 mg/kg

Oral LD<sub>50</sub> Chickens: 852 mg/kg

In addition Acephate Technical in the diet causes adverse effects on reproduction in mallard ducks (No Effect Level greater than 5 ppm, but less than 20 ppm) and in bobwhite quail (No Effect Level greater than 20 ppm, but less than 80 ppm)

### **Aquatic organism toxicity:**

Acephate Technical is practically non-toxic to freshwater fish. The 96-hours LC<sub>50</sub> for Acephate Technical was found to be higher than 1,000 ppm in rainbow trout, bluegill, and channel catfish. The following LC<sub>50</sub> values for Lancer 75 S soluble powder substantiate the low toxicity to fish:

Bluegill: 2,050 ppm

P.O. Box 16887, Jebel Ali Free Zone,  
Dubai, United Arab Emirates  
Tel: +971 4 883 50 39 Fax: +971 4 883 58 53  
Website: [www.anglogulf.com](http://www.anglogulf.com)  
Registered Address: P.O. Box 3136, Tortola, British Virgin Islands

ص. ب. ١٦٨٨٧، جبل علي المنطقة الحرة  
دبي - الامارات العربية المتحدة  
هاتف: +٩٧١ ٤ ٨٨٣ ٥٠ ٣٩ فاكس: +٩٧١ ٤ ٨٨٣ ٥٨ ٥٣  
E-mail: [agadxbme@emirates.net.ae](mailto:agadxbme@emirates.net.ae)



# انجلو جلف المحدودة

## ANGLO GULF LIMITED

Black bass: 1,725 ppm  
Catfish: 2,230 ppm  
Mosquito fish: 6,000 ppm  
Crayfish: 750 ppm

### Other non-target organism toxicity:

Acephate Technical is highly toxic to bees. The acute LD<sub>50</sub> for bees is 1.2 µg/bee.

## 13. DISPOSAL CONSIDERATIONS

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Do not reuse the outer bag. Dispose of outer bag in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

## 14. TRANSPORT INFORMATION

**D.O.T. Shipping name:** Insecticide, dry, non-regulated

**Technical shipping name:** Acephate 75%SP, Pesticide, Toxic

**Hazard class:** 6.1

**UN.NO.** 2902

**Remarks:** None

**Exemption requirement:** None

## 15. REGULATORY INFORMATION

### Regulations under FIFRA:

All pesticides are governed under FIFRA (Federal Insecticide, Fungicide and Rodenticide Act). Therefore, the regulations presented below are pertinent only when handled outside of the normal use and applications of pesticides. This includes waste streams resulting from manufacturing/formulation facilities, spills or misuse of products, and storage of large quantities of products containing hazardous or extremely hazardous substances.

### Other U.S. federal regulations:

OSHA: NA

CERCLARQ\*: NA

RCRA\*\*: NA

SARA title \_:

Sara (313) chemicals: Acephate

Sara (313, 312): Immediate health effects: Yes

Chronic health effects: Yes

Sudden release of pressure: No

Reactivity hazard: No

P.O. Box 16887, Jebel Ali Free Zone,  
Dubai, United Arab Emirates  
Tel: +971 4 883 50 39 Fax: +971 4 883 58 53  
Website: [www.anglogulf.com](http://www.anglogulf.com)  
Registered Address: P.O. Box 3136, Tortola, British Virgin Islands

ص. ب. ١٦٨٨٧، جبل علي المنطقة الحرة  
دبي - الامارات العربية المتحدة  
هاتف: +٩٧١ ٤ ٨٨٣ ٥٠ ٣٩ فاكس: +٩٧١ ٤ ٨٨٣ ٥٨ ٥٣  
E-mail: [agadxbme@emirates.net.ae](mailto:agadxbme@emirates.net.ae)



# انجلو جلف المحدودة

## ANGLO GULF LIMITED

Sara section 302: NA

This product is not listed as a carcinogen by the national toxicology program (NTP), the International Agency for Research on Cancer (IARC), or the Occupational Safety and Health Administration (OSHA).

### State regulations:

Each state may promulgate standards more stringent than the federal government. This section cannot encompass an inclusive list of all state regulations. Therefore, the user should consult state or local authorities.

RQ: Reportable Quantity.

RCRA: Waste codes must be determined on a case-by-case basis (i.e. spill, processing waste etc.).

For information regarding potential adverse health effects from exposure to this product, refer to Section 3 and 11.

## 16. OTHER INFORMATION

### Disclaimer of expressed and implied warranties

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the stability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, however arising, even if the company has been advised of the possibility of such damages.

Anglo Gulf Limited provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

P.O. Box 16887, Jebel Ali Free Zone,  
Dubai, United Arab Emirates  
Tel: +971 4 883 50 39 Fax: +971 4 883 58 53  
Website: [www.anglogulf.com](http://www.anglogulf.com)  
Registered Address: P.O. Box 3136, Tortola, British Virgin Islands

ص. ب. ١٦٨٨٧، جبل علي المنطقة الحرة  
دبي - الامارات العربية المتحدة  
هاتف: +٩٧١ ٤ ٨٨٣ ٥٠ ٣٩ فاكس: +٩٧١ ٤ ٨٨٣ ٥٨ ٥٣  
E-mail: [agadxbme@emirates.net.ae](mailto:agadxbme@emirates.net.ae)