



# انجلو جلف المحدودة

## ANGLO GULF LIMITED

### Material Safety Data Sheet

#### FORD 720SL

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

Product Name : FORD 720 SELECTIVE HERBICIDE  
Product Type : Group I Herbicide  
Company Name : **ANGLO GULF LIMITED**  
P.O.Box 16887  
Jebel Ali Free Zone,  
DUBAI, United Arab Emirates  
Phone : 00971 4 8835039  
Fax : 00971 4 8835853  
E-mail : [agadxbme@emirates.net.ae](mailto:agadxbme@emirates.net.ae)  
Web Site : [www.anglogulf.ae](http://www.anglogulf.ae)

Recommended Use for the control of emerged broadleaf weeds prior to sowing crops and pastures in conservation tillage situations and for selective weed control in the crops and situations as per the directions for use.

#### 2. HAZARDS IDENTIFICATION

##### Hazard Classification

Classified as hazardous according to the criteria of NOHSC Australia. Not classified as Dangerous Goods according to the ADG code.

##### Risk Phrase(s)

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

##### Safety Phrase(s)

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

S2 Keep out of reach of children.

#### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Proportion
2,4-D (present as the dimethylamine salt)	94-75-7	720 g/L
Other ingredients -		Q.S

#### 4. FIRST AID MEASURES

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  
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### Inhalation

Remove affected person to fresh air until recovered.

### Skin Contact

Wash affected areas thoroughly with soap and water. If irritation persists, seek medical advice.

### Eye Contact

If in eyes, hold eyelids open and wash with copious amounts of water for at least 15 minutes.

Seek medical advice immediately.

### Ingestion

If swallowed, do NOT induce vomiting; seek medical advice immediately and show this container or label or contact the Poisons Information Centre. Make every effort to prevent vomit from entering the lungs by careful placement of the patient.

## 5. FIRE FIGHTING MEASURES

### Suitable Extinguishing Media

Water spray, foam, carbon dioxide or dry chemical.

### Hazardous from Combustion Products

Not combustible. May emit toxic fumes of hydrogen chloride or phosgene if involved in fires or Exposed to extreme heat.

### Special Protective Equipment for Fire Fighters

Breathable air apparatus must be worn when fighting a fire in which this product is involved.

## 6. ACCIDENTAL RELEASE MEASURES

### Spills and Disposal

Contain spill and absorb with clay, sand, soil or proprietary absorbent (such as vermiculite).

Collect spilled material and waste in sealable open-top type containers for disposal.

Dispose of at landfill in accordance with local regulations.

### Environmental Precautions

Prevent from entering drains, waterways or sewers.

## 7. HANDLING AND STORAGE

### Handling

For personal protective equipment (PPE) and hygiene advice, refer Section 8.

### Storage

Store in the closed original container in a cool, well-ventilated area out of direct sunlight.

Keep container tightly sealed and do not store with seed, fertilizers or foodstuffs.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### National Exposure Standards

No exposure standard has been established for this product. However, an exposure standard has been set for 2,4-D acid at 10 mg/m<sup>3</sup>.

### Engineering Controls

Natural ventilation is sufficient when handling concentrate and preparing spray solution.

### Personal Protective Equipment

When preparing product for use, wear elbow-length PVC gloves and face shield or goggles.

When using controlled droplet applicator, wear protective waterproof clothing and impervious footwear.

### Hygiene Measures

After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash contaminated clothing and safety equipment.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Clear light yellow limpid liquid
Odor	: Ammoniacal odour
Density	: 1.25 ± 0.05 g/ml at 20 °C
pH	: 7 – 10
Solubility in Water	: Soluble
Flammability	: Non flammable
Flash Point	: NA, water base product
Oxidizing properties	: Not oxidizing

## 10. STABILITY AND REACTIVITY

### Stability

Stable for at least 2 years under normal conditions of warehouse storage.

### Incompatible Material

Strong acids, strong bases and strong oxidising agents

### Hazardous Reactions

Reaction of concentrate or spray mix with acids will precipitate solid 2,4-D acid and largely de-active the product and cause blockages in spray equipment. The addition of strong alkali such as caustic soda will cause release of dimethylamine vapour. Dimethylamine is moderately toxic, LD50 (oral, rat) is 700 mg/kg and a TLV of 10 ppm (TWA) has been set.

### Hazardous Polymerization

Hazardous polymerization is not possible

## 11. TOXICOLOGICAL INFORMATION

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### Potential Health Effects:

No harmful effects are expected if the precautions on the label and this MSDS are followed.

### Inhalation

The components of the product are of low volatility and no adverse effects are expected from handling the concentrate. The concentrate is considered harmful by inhalation by Worksafe Australia. A moderate hazard exists from inhalation of spray and care should be taken to avoid inhalation of spray mists.

### Ingestion

Not a likely route of exposure. Amounts swallowed incidental to normal handling procedures and use are not expected to cause injury. However, swallowing of large amounts may cause injury. Ingestion of the concentrate in relatively large amounts can result in headache, nausea, lethargy, motor weakness and in coordination.

### Skin

Prolonged contact with the concentrate may cause irritation. Prolonged contact of the concentrate with skin will result in absorption of some 2,4-D which can be harmful.

### Eye

The concentrate will cause irritation of the eyes. Prolonged contact with the concentrate may cause damage to the eye.

**Chronic Effects** : Chronic Overexposure: Repeated absorption of relatively large amounts of 2, 4-D presents a risk to the liver and kidneys.

**Carcinogenicity** : The weight of the evidence is that 2,4-D is not carcinogenic.

**Acute Toxicity-Oral** : LD50 (rat) : >2000 mg/kg

**Acute Toxicity-Dermal** : LD50 (rat) : > 2000 mg/kg

**Acute Toxicity-Inhalation** : LC50 Inhalation (rat) : >7.41 mg/L (48 h)

### Other Information

The Australian Acceptable Daily Intake (ADI) for 2,4-D for a human is 0.01 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 1.0 mg/kg/day, the level determined to show no effects during long-term exposure for the most sensitive indicators and the most sensitive species.

## 12. ECOLOGICAL INFORMATION

### Persistence/Degradability

Half life in soil is typically 7 days. Loss from soil is principally by microbial degradation.

### Mobility

Rapid degradation in soil prevents significant downward movement under normal conditions.

**Environment Protection** Spray drift can cause damage, read the label for more information.

**Acute Toxicity-Fish** : Not toxic to fish

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LC50 (96 h) Rainbow trout	: >100 mg/L
Acute Toxicity-Daphnia	: EC50 (21 d) Daphnia: >100 mg/L
Acute Toxicity-Bird	: Not toxic to birds
LD50 Wild duck	: 1000 mg/kg
LD50 Japanese quail	: 668 mg/kg
LD50 Pigeons	: 668 mg/kg
LD50 Pheasants	: 272 mg/kg
Acute Toxicity-Bees	: Not toxic to bees
LD50 Bees	: 0.0115 mg/bee

### 13. DISPOSAL CONSIDERATIONS

#### Product Disposal

On site disposal of the concentrated product is not acceptable. Ideally, the product should be used for its intended purpose. If there is a need to dispose of the product, approach local authorities who hold periodic collections of unwanted chemicals.

#### Container Disposal

Do not use this container for any other purpose. Triple rinse containers; add rinsate to the spray tank, then offer the container for recycling/reconditioning, or puncture top, sides and bottom and dispose of in landfill in accordance with local regulations. Returnable containers: empty contents fully into application equipment. Replace cap, close all valves and return to the point of supply for the refill or storage. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree root. Empty containers and product should not be burnt.

### 14. TRANSPORT INFORMATION

Considered non-dangerous for transport by the Australian Code for the Transport of Dangerous Goods by Road and Rail.

### 15. REGULATORY INFORMATION

#### Poisons Schedule S5

#### Packaging and Labelling CAUTION

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

### 16. OTHER INFORMATION

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This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user must review this information in the specific context of the intended application. ANGLO GULF LIMITED will not be responsible for damages of any nature resulting from use of or reliance upon this information.

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