



انجلو جلف المحدودة

ANGLO GULF LIMITED

Material Safety Data Sheet

HALOXYFOP-R-METHYL 108 EC

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND SUPPLIER

Product Name : HALOXYFOP-R-METHYL 108 EC
Product Type : Herbicide
Company Name : ANGLO GULF LIMITED
Address : P.O.Box 16887
Jebel Ali Free Zone,
DUBAI, United Arab Emirates
Tele : 00971 4 8835039
Fax : 00971 4 8835853
E-mail : agadxbme@emirates.net.ae
Web Site : www.anglogulf.ae

2. HAZARDS IDENTIFICATION

Irritating to eyes.
Toxic to aquatic organisms.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Proportion (g/l)
Haloxyfop-R-methyl ester	072619-32-0	108
N-butyl alcohol	71-36-3	30
Other inert non hazards ingredients -		100
Aromatic hydrocarbon solvent		Q.S

4. FIRST AID MEASURES

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.

Note to Physician

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

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No specific antidote. This material contains a solvent. If lavage is performed, suggest end tracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. Supportive care. Treatment based on judgment of physician in response to symptoms of 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

Use good personal hygiene. Do not consume or store food in the work area. Wash hands and exposed skin before eating, drinking or smoking and after work. Avoid eye contact.

Storage

Product should be stored in compliance with local regulations. Store in a cool, dry, well-ventilated place in the original container. Protect from excessive heat and cold. Do not store near food, drink, animal feeding stuffs, pharmaceuticals, cosmetics or fertilizers. Keep out of reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

None established for the Active Ingredient(s). Supplier recommendation for solvent is 100 ppm

Engineering Controls

Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.

Respiratory Protection

For most conditions, no respiratory protection should be needed. However, when airborne exposure guidelines and/or comfort levels may be exceeded use an approved air-purifying respirator.

For emergency conditions, use an approved positive-pressure self-contained breathing apparatus.

Hand/Skin Protection

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For brief contact, no precautions other than clean body-covering clothing and impervious gloves should be needed. When prolonged or frequently repeated contact could occur, use protective clothing impervious to this material.

For emergency conditions: Use protective clothing impervious to this material. Selection of specific items will depend on operation.

Eye/Face Protection

Use chemical goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Clear light brown liquid
Density	: 1.000 ± 0.05 g/ml at 20 °C
pH	: 7 – 10
Solubility in Water	: Emulsifiable with water
Freezing Point/range	: <-10°C
Flammability	: highly flammable
Flash Point	: 70°C
Oxidizing properties	: Not oxidizing

10. STABILITY AND REACTIVITY

Stability

Stable under normal conditions of warehouse storage.

Incompatible Material

Strong acids, strong bases and strong oxidising agents.

Conditions to Avoid

Avoid extremes of temperature.

Hazardous Polymerization

Hazardous polymerization is not possible.

11. TOXICOLOGICAL INFORMATION

Ingestion	Single dose oral toxicity is considered to be low. The oral LD50 for rats is >5000 mg/kg.
Skin Contact	The dermal LD50 for rats is >2000mg/kg. A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts. Prolonged or repeated exposure may cause slight skin irritation.
Sensitization	Non-sensitizing to guinea pig skin.
Eye Contact	May cause severe eye irritation.
Inhalation	No adverse effects anticipated by this route of exposure incidental to proper handling. LC50 >4, 7 mg/l/4hours.

12. ECOLOGICAL INFORMATION

Persistence and Degradability

Assessment largely or completely based on data for similar material(s). Rapidly hydrolysed in soil and water (with a half-life of less than 1 day) to the parent acid, this undergoes further degradation. Half-life of the parent acid in soil and water is dependent on conditions and is approximately 21 days.

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Aquatic Toxicity

Assessment largely or completely based on data for similar material(s).

Material is moderately toxic to fish on an acute basis (1mg/L <LC50 <10mg/L).

Material is moderately toxic to aquatic invertebrates on a static acute basis (1mg/L <LC50 <10mg/L).

Material is harmful to algae (10mg/l < IC50 <100mg/l).

Avian Toxicity

Assessment largely or completely based on data for similar material(s).

Material is practically non-toxic to birds on an acute basis (LD50 >2000mg/kg).

Other Information

Non-toxic to bees.

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

UN NO: 3082

Remarks: Sample shipment not allowed by mail.

Road & Rail

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Haloxypop)
Truck/Rail ADR/RID : 9
Label : 9
Classification Code : M6
Packing Group : III
Kemler Code : 90
UN Number : 3082
Tremcard Nr. CEFIC : 90GM6-III

Sea

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Haloxypop)
Sea - IMO/IMDG Class : 9
UN Nr : 3082
Label : 9
Packing Group : III
EMS : -

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Marine Pollutant	: Y (Y/N)
Air	
Proper shipping name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Haloxypop)
Air-ICAO/IATA Class	: 9
UN Nr	: 3082
Label	: 9
Packing Group	: III
Pack Instr. Passenger	: 914
Pack Instr. Cargo	: 914

15. REGULATORY INFORMATION

Hazard Symbol	: Xi - Irritant
Risk Phrases	: Irritating to eyes.(R36)
Safety Phrases	: Keep out of reach of children. (S2) Keep away from food, drink and animal feeding stuffs. (S13) When using do not eat, drink or smoke. (S20/21) In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. (S26)
National legislation	: In accordance with the South African National Road Traffic Act, 1996 (Act 93 of 1996), the Fire Brigade Act, 1987 (Act 99 of 1987) and the Occupational Health and Safety Act, 1993 (Act. No. 85 of 1993)

16. OTHER INFORMATION

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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