



انجلو جلف المحدودة

ANGLO GULF LIMITED

MATERIAL SAFETY DATA SHEET

CHLORIMURON ETHYL 25% WG

1. IDENTIFICATION OF PRODUCT AND COMPANY

Product Name	: CHLORIMURON ETHYL 25% WG
Common Name	: Chlorimuron ethyl
Formulation	: Chlorimuron ethyl 25% Water Dispersible Granule
Chemical class	: Herbicide
Molecular Formula	: C ₁₅ H ₁₅ ClN ₄ O ₆ S
Molecular Weight	: 414.8
Chemical Name	: Ethyl 2-[[[(4-Chloro-6-methoxypyrimidin-2-yl) amino] carbonyl]amino]sulfonyl} Benzoate
Manufacturer	: ANGLO GULF LIMITED
Address	: P.O. Box 16887, Jebel Ali, Dubai, U.A.E.
Tel	: +9714 8835039
Fax	: +9714 8835853
E-mail	: agadxgme@emiraes.net.ae
Website	: www.anglogulf.ae

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS No.	Concentration
Chlorimuron Ethyl Technical	90982-32-4	25.00
Diatomaceous Earth	61790-53-2	30.00
Crystalline Silica, Quartz	14808-60-7	Q.S

3. HAZARD IDENTIFICATION

Emergency Overview

Caution

May irritate eyes, nose, throat or skin.

May be harmful if absorbed through skin. Avoid breathing dust or spray mist. Avoid contact with skin, eyes and clothing. Wash thoroughly with soap and water after handling.

4. FIRST AID MEASURES AND PRECAUTIONS

If In Eyes: Hold open eye 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 doctor for treatment advice.

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

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

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



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If on Skin or Clothing: 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. Have the product container or label with you when calling a poison control or doctor, or going for treatment.

5. FIRE FIGHTING MEASURES

Flammable Properties

Flammable limits in Air, % by Volume LEL: 0.212 g/L

Autoignition: 330 C (626 F) Not a fire or explosion hazard. Like most organic powders or crystals, under severe dusting conditions, this material may form explosive mixtures in air.

Extinguishing Media: Water Spray, Dry Chemical.

Fire Fighting Instructions: Wear self-contained breathing apparatus. Wear full protective equipment. Use water spray. Runoff from fire control may be a pollution hazard. If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated.

6. ACCIDENTAL RELEASE MEASURES (SPILLAGE)

Safeguards (Personnel)

Note: Review Fire-Fighting Measures and Handling (Personnel) sections before proceeding with clean-up. Use appropriate.

Personal Protective Equipment during clean-up.

Initial Containment: Dike spill. Prevent material from entering sewers, waterways, or low areas.

Spill Clean Up: Shovel or sweep up.

Accidental Release Measures: If spill area is on ground near valuable plants or trees remove top 2 inches of soil after initial cleanup

7. HANDLING AND STORAGE REQUIREMENTS

Handling

Remove sources of naked flame or sparks. Harmful by absorption, or if swallowed or inhaled. Avoid contact with eyes, prolonged contact with skin, and inhalation of mist and vapour. Use with adequate ventilation. Wash hands before eating, drinking, chewing gum, smoking, or using the toilet. Remove clothing immediately if the insecticide gets inside. Then wash skin thoroughly using a nonabrasive soap and put on clean clothing. Do not apply directly to areas where surface water is present, or to intertidal areas below the mean high water mark. Water used to clean equipment must be disposed of correctly to avoid contamination.

Storage

The product must be kept under lock and key. Keep out of reach of unauthorized persons, children and animals. Store in its original labeled container in cool (avoid temperature above 40 °C), well-ventilated dry area, away from heat, sparks and other sources of ignition. Product hydrolyses rapidly in aqueous alkaline solutions. Avoid cross contamination with other pesticides and fertilizers. Not to be stored next to foodstuffs and water supplies. Local regulations should be complied with.

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8. EXPOSURE CONTROL / PERSONAL PROTECTION

National Exposure Standards

The manufacturer of the solvent has recommended an occupational exposure limit of 100 mg/m³; 15ppm TWA, as total hydrocarbon.

Engineering Controls

Handle in well ventilated areas, generally natural ventilation is adequate.

Personal Protective Equipment

When opening the container, preparing spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length rubber gloves and face shield or goggles.

Re-entry period: Do not enter treated area until spray has dried.

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.

Requirements Concerning Special Training

NSW regulations require that people who use pesticides in their job or business.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: Solid granules
Colour	: ivory
Odour	: None
Solubility in Water	: Dispersible
Melting point	: 181°C
Vapor pressure	: 4.90×10 ⁻⁷ mPa@25°C
Relative density	: 1.51@25°C
Partition coefficient	: KowlogP=0.11@pH=7
PH	: 6.8 (1% Solution)

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions.
Hazardous Reactions	Keep away from strong oxidising agents.
Hazardous Polymerization	Hazardous polymerization is not possible.



11. TOXICOLOGICAL INFORMATION

Inhalation 4 h LC50	: > 5.6 mg/l, rat
Dermal LD50	: > 2,000 mg/kg, rabbit
Oral LD50	: > 5,000 mg/kg, rat
Skin irritation	: No skin irritation, rabbit
Eye irritation	: slight irritation, rabbit
Sensitization	: Did not cause sensitization on laboratory animals. Guinea pig
Repeated dose toxicity	: The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions.
Dermal rabbit	: No toxicologically significant effects were found.
Oral multiple species	: Liver effects, altered blood chemistry, abnormal decrease in number of red blood cells, reduced body weight gain
Carcinogenicity	: Animal testing did not show any carcinogenic effects.
Mutagenicity	: Did not cause genetic damage in animals. Tests on bacterial or mammalian cell cultures did not show mutagenic effects.
Reproductive toxicity	: Animal testing showed effects on reproduction at levels equal to or above those causing parental toxicity.
Teratogenicity	: Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity.
Titanium Dioxide	
Carcinogenicity	: Based upon all available study results, DuPont scientists conclude that titanium dioxide will not cause lung cancer or chronic respiratory diseases in humans at concentrations experienced in the workplace.
Quartz	
Repeated dose toxicity	: Inhalation Fluid retention in lungs (pulmonary oedema), lung effects, Chronic lung disease, Inflammation, , Fibrosis

12. ECOLOGICAL INFORMATION

Aquatic Toxicity

Chlorimuron ethyl

96 h LC50	: Oncorhynchus mykiss (rainbow trout) > 1,000 mg/l
96 h LC50	: Lepomis macrochirus (Bluegill sunfish) > 100 mg/l
72 h EC50	: Algae 1 ppb
48 h EC50	: Daphnia magna (Water flea) > 1,000 mg/l

Toxicity to other organisms

Oral LD50	: Anas platyrhynchos (Mallard duck) 2,510 ppm
Dietary LC50	: Colinus virginianus (Bobwhite quail) > 5,620 ppm
Dietary LC50	: Anas platyrhynchos (Mallard duck) > 5,620 ppm

Additional ecological information

Environmental Hazards: 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 or rinsate. Do not apply where/when conditions favour runoff.



13. DISPOSAL CONSIDERATION

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. drum MUSTER is the national program for the collection and recycling of empty, cleaned, non returnable crop production and on-farm animal health chemical Containers. If the label on your container carries the drum Muster symbol, triple rinse the container, ring your local Council, and offer the container for collection in the program. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, puncture or shred and bury containers in local authority landfill.

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 roots. Empty containers and product should not be burnt.

14. TRANSPORT INFORMATION

IATAC

UN number : 3077
Proper shipping name : Environmentally hazardous substance, solid, n.o.s. (Chlorimuron ethyl)
Class : 9
Packing group : III
Labelling No. : 9MI

IMDG

UN number : 3077
Proper shipping name : Environmentally hazardous substance, solid, n.o.s. (Chlorimuron ethyl)
Class : 9
Packing group : III
Labelling No. : 9
Marine pollutant : yes (Chlorimuron ethyl)

15. REGULATORY INFORMATION

SARA 313 Regulated Chemical(s): Chlorimuron ethyl

Title III hazard classification

Acute Health Hazard : Yes
Chronic Health Hazard : No
Fire : No
Reactivity/Physical hazard : No
Pressure : No

EPA Reg. No. : 352-436

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In the United States this product is regulated by the US Environmental Protection Agency (EPA) under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA). It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read and follow all label directions. This product is excluded from listing requirements under EPA/TSCA.

PA Right to Know Regulated Chemical(s)

Substances on the Pennsylvania Hazardous Substances List present at a concentration of 1% or more (0.01% for Special Hazardous

16. OTHER INFORMATION

Disclaimer

The information on this sheet is not a specification; it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage use of the product. It is not applicable to unusual or nonstandard uses of the product or where instructions or recommendations are not followed.

All information is given in good faith but without guarantee in respect of accuracy, and no responsibility is accepted for errors and omissions or the consequence thereof

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