



Gulf Ag Halosulfuron 750 WG Herbicide

1. IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Supplier: Gulf Ag Pty Ltd
ACN: 103 517 184
Street Address: 103 Ordish Road, Dandenong South, Vic 3175
Telephone: (03) 9768 2803
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Emergency telephone number: National Poisons Information Centre: Dial 13 1126.

Substance: sulfonyl urea
Product name: Gulf Ag Halosulfuron 750 WG Herbicide
Product Use: For selective post-emergence control of Nutgrass in Sugarcane, Corn/Maize and Sorghum and for the selective post-emergence control of Nutgrass and Mullumbimby couch in Turf. Also for the control of Nutgrass in Cotton using shielded sprayers.

2. HAZARDS IDENTIFICATION

Statement of Hazardous Nature

This product is classified as: Xn, Harmful. Xi, Irritating. Hazardous according to the criteria of ASCC. Not a Dangerous Good according to the Australian Dangerous Goods (ADG) Code.

Risk Phrases: R22, R36. Harmful if swallowed. Irritating to eyes.

Safety Phrases: S20, S22, S39, S24/25. When using, do not eat or drink. Do not breathe dust. Wear eye/face protection. Avoid contact with skin and eyes.

SUSDP Classification: S5

ADG Classification: None allocated. Not a Dangerous Good under the ADG Code.

UN Number: None allocated

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization Water dispersible granule.

Ingredients	CAS No	Conc, %	TWA (mg/m ³)	STEL (mg/m ³)
Halosulfuron-methyl	100784-20-1	750g/kg	not set	not set
Other non hazardous ingredients	secret	to 100	not set	not set

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non-hazardous ingredients are also possible.

The ASCC TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposure.

4. FIRST AID MEASURES

If poisoning occurs, contact a Doctor or Poisons Information Centre. Phone 13 11 26 from anywhere in Australia.

Inhalation Remove affected person to fresh air until recovered. If symptoms develop or persist, seek medical advice.

Ingestion Rinse mouth thoroughly with water. Give a glass of water. Obtain medical advice.

Skin If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water. Remove contaminated clothing and launder before re-use.

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

5. FIRE-FIGHTING MEASURES

Extinguishing Media If involved in a fire, the product will not burn. Choose extinguishing media to suit the burning material.

Hazardous Combustion Products

Non-flammable.

Non-combustible.

If involved in a major fire, could evolve oxides of nitrogen, sulphur or hydrogen chloride.

Protective Equipment Breathable air apparatus may have to be worn in confined spaces.

Other Information Hazchem code has not been assigned.

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal Collect spilled material and waste in sealable open-top type containers for disposal. Dispose of at a landfill in accordance with local regulations.

Personal Protection For appropriate personal protective equipment (PPE), refer Section 8.

Environmental Precautions

This product is a herbicide and spills can damage crops, pastures and desirable vegetation.

7. HANDLING AND STORAGE

Handling: No special precautions are necessary when handling sealed containers. Do NOT contaminate dams, rivers or streams, or any other water bodies with pesticide or used containers. Avoid generating dusts while handling the product and mixing.

If dusts are generated, it is advisable to wear a dust mask, refer Section 8.

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

Storage: Store in the closed, original container in a dry, well ventilated area out of direct sunlight.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection: Do not inhale spray mist. If dusts are present, wear a class P1 dust mask.

Personal Protective Equipment: When preparing product for use wear elbow-length gloves and face shield or goggles.

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

Hygiene Measures: After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. Showering at the end of the working day is recommended. After each day's use, wash contaminated clothing and safety equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Beige Granules
Odour:	Scorched vanilla
Solubility in Water:	Disperses in water. 15 mg/L @ pH5; 1650 mg/L @ pH7
pH Value:	7.9 (1% solution)
Vapour Pressure:	<0.01mPa (25°C)
Partition co-efficient, n-octanol/water:	Kow Log P is -0.0186
Flammability:	Non combustible material
Other Information:	pKa is 3.44

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Hazardous Polymerization: Hazardous polymerisation is not possible.

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11. TOXICOLOGICAL INFORMATION

Inhalation: Not a likely route of exposure when handling the concentrate. However, care should be taken to avoid the inhalation of excessive amounts of spray mist during field spraying, respiratory irritation may occur.

Ingestion: Amounts swallowed incidental to normal handling procedures and use are not expected to cause injury. However, swallowing of large amounts may cause injury.

Skin: The concentrated product may cause slight irritation on contact.

Eye: May cause some discomfort if contact is prolonged.

Reproductive Toxicity: Data indicates no reproductive effects. Data indicates no teratogenic effects.

Mutagenicity: Data indicates no mutagenic effects.

Carcinogenicity: Data indicates no carcinogenic effects.

Acute Toxicity – Oral: LD50 (rat, M/F) 2825/1947 mg/kg

Acute Toxicity – Dermal: LD50 (rabbit) >2000 mg/kg

Eye Irritation: Mild eye irritant

Skin Irritation: Not a skin irritant

Skin Sensitisation: Product is not a skin sensitiser

Other Information: The Australian Acceptable Daily Intake (ADI) for halosulfuron-methyl 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 mg/kg/day, the level determined to show no effects during long term exposure for the most sensitive indicators and the most sensitive species. (Ref: Comm. Dept. of Health and Ageing, 'ADI List', TGA, August 2003).

12. ECOLOGICAL INFORMATION

Acute Toxicity - Fish LC50 (96 hr) for (carp) is 340 ppm

The following is data of the active ingredient, halosulfuron-methyl.

LC50 (96 hr) for (trout) is >120 mg/L

Acute Toxicity - Daphnia

LC50 (48hr) for (daphnia) is >107 ppm

Acute Toxicity - Other

Organisms

Birds: Not toxic to birds. LD50 for (bobwhite quail) is 2250 mg/kg

Bees: Not toxic to bees. LD50 >100 µg/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 (ChemCollect).

14. TRANSPORT INFORMATION

ADG Code: This product is not classified as a Dangerous Good. No special transport conditions are necessary unless required by other regulation

15. REGULATORY INFORMATION

Poisons Schedule S5

Packaging & Labelling

CAUTION

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

16. OTHER INFORMATION

All information contained in this document is as accurate as possible based on information submitted by raw material suppliers. **Gulf Ag Pty Ltd** will not be responsible for any damages that may result from reliance on the information contained herein.

Contact: Peter Howat

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National Poisons Information Centre: Dial 13 11 26 (from anywhere in Australia)