

Infosafe No™ 3NU69	Issue Date : March 2015	ISSUED by CRPCARE
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Product Name **ATRADEX® WG Herbicide**

Classified as hazardous

1. Identification

GHS Product Identifier	ATRADEX® WG Herbicide
Product Code	0677
Product Type	Group C Herbicide
Company Name	Crop Care Australasia Pty Ltd (ABN 53 061 362 347)
Address	Unit 17/16 Metroplex Avenue Murarrie Queensland 4172 Australia
Telephone/Fax Number	Tel: +61 7 3909 2000 Fax: +61 7 3909 2010
Emergency phone number	1800 033 498 (24hr Australia)
Recommended use of the chemical and restrictions on use	This product is for the selective annual grass and broadleaf weed control as per the Directions for Use table on the label. BEFORE USING PRODUCT - Read directions on outer pack and attached leaflet.
Other Information	This Safety Data Sheet describes the properties of the concentrated product. The physical properties and the assessments may not apply to the properties of the product once it has been diluted for application.

2. Hazard Identification

GHS classification of the substance/mixture	SC-2 Skin Corrosion/Irritation: Category 2 SS-1A Sensitization - Skin: Category 1A RE2 STOT Repeated Exposure Category 2
Signal Word (s)	WARNING
Hazard Statement (s)	H315 Causes skin irritation. H317 May cause an allergic skin reaction. H373 May cause damage to organs through prolonged or repeated exposure.
General Precautionary Statement (s)	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children.
Pictogram (s)	P103 Read label before use. Exclamation mark, Health hazard



Precautionary statement – Prevention	P260 Do not breathe dust or spray. P264 Wash hands and exposed skin thoroughly after handling. P280 Wear protective gloves, clothing, eye and face protection. P272 Contaminated work clothing should not be allowed out of the workplace.
Precautionary statement – Response	P314 Get medical advice/attention if you feel unwell. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P362 Take off contaminated clothing and wash before reuse.
Other Information	Poisons Schedule S5

3. Composition/information on ingredients

Chemical Characterization	Solid		
Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Atrazine	1912-24-9	900 g/kg
	Talc	14807-96-6	18 g/kg
	Dispersants and Dyes		0-10 %

4. First-aid measures

Inhalation	Remove affected person to fresh air until recovered. If symptoms develop or persist, seek medical advice.
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Ingestion	If swallowed do NOT induce vomiting; seek medical advice immediately and show this container or label or contact the Poisons Information Centre on 13 11 26 (Aust). Make every effort to prevent vomit from entering the lungs by careful placement of the patient.
Skin	Wash affected areas thoroughly with soap and water. Remove contaminated clothing and launder before re-use.
Eye contact	If in eyes, hold eyelids open and wash with copious amounts of water for at least 15 minutes. Seek medical advice if irritation develops or persists.
Advice to Doctor	Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media	Water fog, foam, carbon dioxide or dry chemical. Avoid strong water jets - airborne dusts may form a flammable dust cloud.
Hazards from Combustion Products	If involved in a fire, it will emit toxic fumes of cyanides, hydrogen chloride and possibly carbon oxides. Combustible solid.
Special Protective Equipment for fire fighters	Breathable air apparatus may have to be worn in confined spaces.
Other Information	STOP FIRE WATER FROM ENTERING DRAINS OR WATER BODIES.

6. Accidental release measures

Spills & Disposal	Recover the product by sweeping up or vacuuming without raising dust. Collect spilled material and waste in sealable open-top type containers for disposal.
Personal Protection	For appropriate personal protective equipment (PPE), refer Section 8.
Environmental Precautions	Prevent from entering drains, waterways or sewers.

7. Handling and storage

Precautions for Safe Handling	Do NOT contaminate dams, rivers or streams, or any other water bodies with pesticide or used containers. If dusts are generated, it is advisable to wear a dust mask, refer Section 8.
Conditions for safe storage, including any incompatibilities	Store in the closed, original container in a dry, well ventilated area out of direct sunlight. Keep container tightly sealed and do not store with seed, fertilisers or foodstuffs.
Other Information	Always read the label and any attached leaflet before use.

8. Exposure controls/personal protection

Occupational exposure limit values	Safe Work Australia has set the following exposure standard for atrazine : TLV (TWA) 5 mg/m3, STEL -. Safe Work Australia has set the following exposure standard for talc : TLV (TWA) 2.5 mg/m3, STEL -.
Appropriate engineering controls	Handle in well ventilated areas, generally natural ventilation is adequate.
Respiratory Protection	If dusts are present, wear a class P1 dust mask.
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 PVC gloves and 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	Check State or Territory regulations that require people who use pesticides in their job or business to have training in the application of the materials.

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9. Physical and chemical properties

Form	Solid
Appearance	Green granules
Odour	Odourless
Melting Point	169 - 176°C for atrazine
Solubility in Water	Disperses in water.
Vapour Pressure	3.85 x 10 ⁻² mPa @ 25°C (for atrazine)
Volatile Component	<1%
Partition Coefficient: n-octanol/water	Kow Log P is 2.5 for atrazine
Flammability	Combustible

10. Stability and reactivity

Chemical Stability	Stable under normal conditions.
Possibility of hazardous reactions	Keep away from strong oxidising agents, may react violently.
Hazardous Polymerization	Hazardous polymerisation is not possible.

11. Toxicological Information

Toxicology Information	No harmful effects are expected if the precautions on the label and this MSDS are followed.
Acute Toxicity - Oral	LD50 (rat) 1869 - 3090 mg/kg for atrazine LD50 (mice) 1332 - 3992 mg/kg for atrazine
Acute Toxicity - Dermal	LD50 (rat) >3100 mg/kg for atrazine
Acute Toxicity - Inhalation	LC50 (rat) (4hr) >5.8 mg/l for atrazine
Ingestion	Amounts swallowed incidental to normal handling procedures and use are not expected to cause injury.
Inhalation	Respiratory protection while spraying is recommended. Some temporary irritation may be experienced.
Skin	May irritate the skin. May cause sensitisation by prolonged skin contact.
Eye	May irritate the eyes.
Skin Sensitisation	Prolonged and repeated skin contact may result in skin sensitisation.
Carcinogenicity	The weight of the evidence is that atrazine is not carcinogenic.
Reproductive Toxicity	Data indicates no reproductive effects. Data indicates no teratogenic effects.
Serious eye damage/irritation	Not an eye irritant.
Mutagenicity	Data indicates no mutagenic effects.
Skin corrosion/irritation	Mild skin irritant.
Other Information	The Australian Acceptable Daily Intake (ADI) for atrazine for a human is 0.005 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 0.5 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, Office of Chemical Safety, 'ADI List', June 2014).

12. Ecological information

Persistence and degradability	Average field half life of atrazine is 35 - 50 days. This may be longer under cold or dry conditions.
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Other Precautions	Do not contaminate dams, waterways or sewers with this product or the containers which have held this product.
Environmental Protection	Marine pollutant.
Acute Toxicity - Fish	The following is data for the active ingredient, atrazine. LC50 (96hr) for rainbow trout is 4.5 - 11.0 mg/l. LC50 (96hr) for bluegill sunfish is 16 mg/l. LC50 (96hr) for carp is 76 mg/l.
Acute Toxicity - Daphnia	LC50 (48hr) for daphnia is 6.9 mg/l for atrazine.
Acute Toxicity - Algae	EC50 (72hr) for Scenedesmus subspicatus 0.0432 mg/l.
Acute Toxicity - Other Organisms	The following data is for the active ingredient, atrazine. Birds: Not toxic to birds. LD50 for mallard ducks is >2000 mg/kg LD50 for bobwhite quail is 940 mg/kg Bees: Not toxic to bees. LD50 >97 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 (ChemClear®).
Container Disposal	Shake bag contents into spray tank until the bag is empty. 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. DO NOT burn empty containers or product.

14. Transport information

Transport Information	It is good practice not to transport agricultural chemical products with food, food related materials and animal feedstuffs.
Storage and Transport	Considered non dangerous for transport by the Australian Code for the Transport of Dangerous Goods by Road and Rail. Exempt from classification as a Dangerous Good in packs less than 3,000 kg or L as per ADG7, SP no. AU01. For bulk shipments as Class 9, use UN 3077, HazChem code 2Z.
UN Number (Sea Transport)	3077
IMO Class/Packing Group	Class 9; Packing Group III
IMO Marine Pollutant	Marine Pollutant
IMO Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains Atrazine)

15. Regulatory information

Poisons Schedule	S5
Packaging & Labelling	CAUTION KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Other Information	This product is registered with the Australian Pesticides and Veterinary Medicines Authority (APVMA). APVMA product number: 45774.

16. Other Information

Date of preparation or last revision of SDS	Revised 10/03/2015. This SDS replaces document dated August 2014
Contact Person/Point	Normal Hours: Mrs Kathleen Marsh Phone: +61 3 9282 1000 After Hours: Shift Supervisor Phone: 1800 033 498
Revisions Highlighted	The SDS was reviewed to include GHS requirements. Updated to include details on new label.
Other Information	® Registered trademark of Incitec Ltd.



Safety Data Sheet

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