

Infosafe No™ 3NUS8	Issue Date : January 2019	ISSUED by NUFARM
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 Product Name **Kyte 700 WG Herbicide**

Classified as hazardous

1. Identification

GHS Product Identifier	Kyte 700 WG Herbicide		
Product Code	0813	NUL2871	
Product Type	Group B Herbicide		
Company Name	NUFARM AUSTRALIA LIMITED. (ABN 80 004 377 780)		
Address	103-105 Pipe Road Laverton North Victoria 3026 Australia		
Telephone/Fax Number	Tel: +61 3 9282-1000 Fax: +61 3 9282-1001		
Emergency phone number	1800 033 498 (24hr Australia)		
Recommended use of the chemical and restrictions on use	For the pre or post emergence control of certain weeds in centrosema (cavalcade), chickpeas, faba beans, field peas, lucerne, mung beans, peanuts, serradella and soybeans as per the Directions for Use table on the label.		
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	Eye Damage/Irritation: Category 1 Skin Corrosion/Irritation: Category 2		
Signal Word (s)	DANGER		
Hazard Statement (s)	Causes serious eye damage. Causes skin irritation.		
General Precautionary Statement (s)	If medical advice is needed, have product container or label at hand. Keep out of reach of children. Read label before use.		
Pictogram (s)	Corrosion, Exclamation mark, The below pictograms are GHS Hazard symbols for workplace use only. See SECTION 14 for Dangerous Goods information.		



Precautionary statement – Prevention	Wear protective gloves, clothing, eye and face protection. Wash hands and exposed skin thoroughly after handling.		
Precautionary statement – Response	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. 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>
	Imazethapyr	81335-77-5	700 g/kg
	Dispersants		10-30 %
	Other ingredients (considered non-hazardous)		10-30 %

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4. First-aid measures

Inhalation	Over-exposure by inhalation is improbable. Check for other causes of observed symptoms and seek medical advice.
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	If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water.
Eye contact	If in eyes, hold eyelids open and wash with copious amounts of water for at least 15 minutes.
Advice to Doctor	Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media	Water fog, foam, carbon dioxide or dry chemical. Avoid using large volumes of water which would spread the product. Avoid direct water jets; airborne dusts may create an explosion hazard.
Hazards from Combustion Products	If involved in a major fire, could evolve oxides of carbon or nitrogen.
Special Protective Equipment for fire fighters	Breathable air apparatus may have to be worn if material is involved in fires especially 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. Pick up with a shovel and broom. 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	Avoid generating dusts while handling the product and mixing. Do not mix, store or apply the product or spray solutions of the product in aluminium, galvanised steel or unlined steel containers or spray tanks.
Conditions for safe storage, including any incompatibilities	Store in the closed, original container in a dry, cool well ventilated area out of direct sunlight.
Tank Cleaning	Keep away from sources of ignition and protect from exposure to fire and heat. Thoroughly flush all spray equipment with water following the use of this product and before use with other products.
Other Information	Always read the label and any attached leaflet before use.

8. Exposure controls/personal protection

Occupational exposure limit values	No exposure standards have been set for this product or the active ingredients.
Appropriate engineering controls	Use in a well ventilated area only. Avoid generating and inhaling dusts. Beware of dust explosions - do not allow dust to accumulate in ventilation systems.
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.
Hygiene Measures	After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

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Requirements Concerning Special Training	After each day's use, wash contaminated clothing and safety equipment. 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	Tan granules
Odour	Faint rubbery odour
Solubility in Water	Disperses in water.
Partition Coefficient: n-octanol/water	Kow Log P is 1.04 at pH5; 1.49 at pH7 and 1.20 at pH9
Flammability	Danger of dust explosion.
Other Information	pKa is 3.9

10. Stability and reactivity

Chemical Stability	Stable under normal conditions.
Incompatible Materials	Do not mix, store or apply the product or spray solutions of the product in galvanised steel or unlined steel (except stainless steel) containers or spray tanks. No compatible with aluminium.
Possibility of hazardous reactions	Keep away from strong oxidising agents.
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) >5000 mg/kg for imazethapyr
Acute Toxicity - Dermal	LD50 (rat) >5000 mg/kg for imazethapyr
Acute Toxicity - Inhalation	LC50 (rat) (4hr) >6.8 mg/l for imazethapyr
Ingestion	The concentrate is of low toxicity if swallowed.
Inhalation	The components of the product are of low volatility and no adverse effects are expected from handling the concentrate.
Skin	Prolonged contact with the concentrate may cause irritation.
Eye	The concentrate will cause irritation of the eyes.
Skin Sensitisation	Product is not a skin sensitiser.
Carcinogenicity	Data indicates no carcinogenic effects.
Reproductive Toxicity	Data indicates no reproductive effects.
Chronic Effects	Based on available data, repeated exposures are not anticipated to cause additional significant adverse effects.
Serious eye damage/irritation	The product is an eye irritant.
Mutagenicity	Data indicates no mutagenic effects.
Skin corrosion/irritation	Not a skin irritant.
Other Information	The Australian Acceptable Daily Intake (ADI) for imazethapyr for a human is 2.8 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 276 mg/kg/day, the level determined to show no effects during long term exposure for the most sensitive indicators and the most sensitive

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species. (Ref: Aust Govt Dept. of APVMA, 'ADI List', June 2018).

12. Ecological information

Other Precautions Do not contaminate dams, waterways or sewers with this product.

Acute Toxicity - Fish The following is data for the active ingredient, imazethapyr.
Not toxic to fish. LC50 (96 hr) for rainbow trout is 340 mg/l.
LC50 (96hr) for bluegill sunfish is 420 mg/l.
LC50 (96hr) for channel catfish is 240 mg/l.

Acute Toxicity - Daphnia EC50 (48hr) is >1000 mg/l.

Acute Toxicity - Other Organisms Birds: Not toxic to birds. LD50 for quail is >2150 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 (ChemClear®).

Container Disposal Do not use this container for any other purpose.
Triple or preferably pressure rinse containers before disposal. Add rinsings to the spray tank.
If recycling, replace cap and return clean containers to recycler or designated collection point.
If not recycling, break, crush or puncture and deliver empty packaging for appropriate disposal at an approved waste management facility.
If an approved waste management facility is not available, bury the empty packaging 500mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant local, state or territory government regulations.
Empty containers and product should not be burnt.
drumMUSTER 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 drumMUSTER symbol, triple rinse the container, ring your local Council, and offer the container for collection in the program.

14. Transport information

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

15. Regulatory information

Regulatory Information Australia: WHS regulations (2011) - Schedule 11: classification not listed.

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: 69128.

16. Other Information

Date of preparation or last revision of SDS Revised 08/01/2019
This SDS replaces document dated February 2014.

Literature References Handbook of Pesticide Toxicology, vol.2

Contact Person/Point Normal Hours: Mrs Kathleen Marsh Phone: +61 3 9282 1000
After Hours: Shift Supervisor Phone: 1800 033 498
The SDS was reviewed. Minor changes were made to the information.

Revisions Highlighted



Safety Data Sheet

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