

Infosafe No™ 3NU3F	Issue Date : October 2018	ISSUED by NUFARM
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 Product Name **PARAGON® Herbicide**

Classified as hazardous

1. Identification

GHS Product Identifier	PARAGON® Herbicide
Product Code	0704
Product Type	Group F I 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 control of certain broadleaved weeds in winter cereals as indicated in 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	OT4 Acute Toxicity - Oral: Category 4 DT4 Acute Toxicity - Dermal: Category 4 IT 4 Acute Toxicity - Inhalation: Category 4 ED2A Eye Damage/Irritation: Category 2A AC1 Hazardous to the Aquatic Environment - Long-Term Hazard: Category 1
Signal Word (s)	WARNING
Hazard Statement (s)	H302 Harmful if swallowed. H312 Harmful in contact with skin. H332 Harmful if inhaled. H319 Causes serious eye irritation. H410 Very toxic to aquatic life with long lasting effects.
General Precautionary Statement (s)	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P103 Read label before use.
Pictogram (s)	Exclamation mark, Environment, The below pictograms are GHS Hazard symbols for workplace use only. See SECTION 14 for Dangerous Goods information.



Precautionary statement – Prevention	P264 Wash hands and exposed skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves, clothing, eye and face protection. P261 Avoid breathing vapours and spray. P271 Use only outdoors or in a well-ventilated area.
Precautionary statement – Response	P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P330 Rinse mouth. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P312 Call a POISON CENTER or doctor/physician if you feel unwell. P363 Wash contaminated clothing before reuse. P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P312 Call a POISON CENTER or doctor/physician if you feel unwell. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/attention.

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Other Information Poisons Schedule S6

3. Composition/information on ingredients

Chemical Liquid

Characterization

Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	MCPA present as the ethyl hexyl ester	94-74-6	500 g/L
	Picolinafen	137641-05-5	50 g/L
	Hydrocarbon solvent	64742-94-5	<10%

4. First-aid measures

Inhalation	Remove affected person to fresh air until recovered. If symptoms develop or persist, 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	Wash affected areas thoroughly with soap and water. Remove contaminated clothing and launder before re-use. 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 if irritation develops or persists.
First Aid Facilities	If poisoning occurs, contact a doctor or the Poisons Information Centre (Australia) on 13 11 26.
Advice to Doctor	Treat symptomatically. If vomiting occurs, solvent present may cause pulmonary pneumonitis.

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.
Hazards from Combustion Products	Although material is not flammable, the concentrate is combustible. If involved in a fire, it will emit oxides of carbon, oxides of nitrogen and possibly hydrogen chloride, phosgene, hydrogen fluoride or fluorinated hydrocarbons.
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	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.
Personal Protection	For appropriate personal protective equipment (PPE), refer Section 8.
Clean-up Methods - Large Spillages	Place damaged containers in recovery bins (if available) and return to manufacturer. If large liquid spills occur, attempt to recover as much spilt material from sumps and banded areas, as possible, before absorbing remaining material into vermiculite or other absorbent.
Environmental Precautions	This product is a herbicide and spills can damage crops, pastures and desirable vegetation. Use earthen bunds or absorbent bunding to prevent spreading of spillage. Prevent from entering drains, waterways or sewers.

7. Handling and storage

Conditions for safe storage, including any incompatibilities	Store in the closed, original container in a cool, well ventilated area. Do not store for prolonged periods in direct sunlight.
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Other Information Always read the label and any attached leaflet before use.

8. Exposure controls/personal protection

Occupational exposure limit values	No exposure standard for this product has been set, however, an exposure standard has been recommended by the supplier for the solvent at 143ppm or 1200 mg/m ³ .
Appropriate engineering controls	Use in a well ventilated area only.
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 allow entry into treated areas for 24 hours after treatment. When prior entry is necessary, wear all protective clothing and chemical resistant gloves. Read the label for any other instructions.
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.

9. Physical and chemical properties

Form	Liquid
Appearance	Brown liquid
Odour	Slightly aromatic odour
Solubility in Water	Forms an emulsion in water.
Specific Gravity	1.02 - 1.08
pH	3 - 5
Volatile Component	<8%
Flash Point	115°C
Flammability	Combustible liquid C2. (AS1940 - 2017). A C2 combustible liquid is not a combustible liquid within the meaning of the Australian Code for the Transport of Dangerous Goods by Road & Rail.
Auto-Ignition Temperature	260°C

10. Stability and reactivity

Chemical Stability	Stable under normal conditions.
Possibility of hazardous reactions	Keep away from strong oxidising agents. Violent reactions between this product and oxidising agents are possible.
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) >1768 mg/kg for the formulated product
Acute Toxicity - Dermal	LD50 (rat) >4000 mg/kg for the formulated product
Acute Toxicity - Inhalation	LC50 (rat) (4hr) >5.18 mg/l for the formulated product
Ingestion	Ingestion of the concentrate in relatively large amounts can result in headache, nausea, lethargy, motor weakness and incoordination. If aspirated into the lung, e.g. from vomiting, the presence of hydrocarbon solvent may result in chemical pneumonitis or other lung damage.

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Inhalation	Breathing vapour can result in headaches, dizziness and possible nausea.
Skin	Prolonged contact with the concentrate may result in absorption of MCPA 2EHE in harmful amounts. Prolonged contact with the concentrate can cause defatting of the skin and may result in dermatitis.
Eye	The concentrate may cause irritation after short contact with the eyes, but permanent damage is not anticipated.
Skin Sensitisation	Product is not a skin sensitiser.
Chronic Effects	Regular exposure may result in effects on liver and kidneys.
Serious eye damage/irritation	Moderate eye irritant.
Skin corrosion/irritation	Mild to moderate skin irritant.
Other Information	The Australian Acceptable Daily Intake (ADI) for MCPA for a human is 0.01 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 1.1 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: Aust Govt Dept. of APVMA, 'ADI List', June 2018). ADI for picolinafen is 0.007 mg/kg/day, NOEL 1.4 mg/kg/day.

12. Ecological information

Other Precautions	Do not contaminate dams, waterways or sewers with this product or the containers which have held this product.
Environmental Protection	Spray drift can cause damage, read the label for more information.
Acute Toxicity - Fish	MCPA 2EHE has very low water solubility (0.01 mg/l) and rapidly hydrolyses in natural waters. The following data is for the hydrolysis product: MCPA acid LC50 (96hr) for rainbow trout is 50 mg/l LC50 (96hr) for rainbow trout is >0.68 mg/l for picolinafen
Acute Toxicity - Daphnia	LC50 (48hr) for daphnia is >190 mg/l for MCPA acid. LC50 (48hr) for daphnia is >0.45 mg/l for picolinafen.
Acute Toxicity - Other Organisms	Not toxic to bees. Not toxic to birds.

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, 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. 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. Returnable containers: empty contents fully into application equipment. Replace cap, close all valves and return to the point of supply for refill or storage.

14. Transport information

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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 road and rail transport (in packaging, including IBCs not greater than 3000 Lt each) by the Australian Code for the Transport of Dangerous Goods by Road and Rail. Ref: ADG7; SP No. AU01.
UN Number (Sea Transport)	For bulk shipments as Class 9, use UN 3082, HazChem code 2Z. 3082
IMO Class/Packing Group	Class 9
IMO Marine Pollutant	Marine Pollutant
IMO Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains picolinafen)

15. Regulatory information

Regulatory Information	Australia: WHS regulations (2011) - Schedule 11: classification not listed.
Poisons Schedule	S6
Packaging & Labelling	POISON 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: 58896.

16. Other Information

Date of preparation or last revision of SDS	Reviewed 25/10/2018 This SDS replaces document dated June 2016.
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. Minor changes were made to the information. Flammability classification updated in section 9.
Other Information	® Registered trademark of BASF ...End Of MSDS...

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