



Material Safety Data Sheet

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Infosafe No. NU076 Issue Date : May 2004 ISSUED by NUFARM

Product Name : **PROMETRYN 900 DF Herbicide**

Not classified as hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name PROMETRYN 900 DF Herbicide
Product Code 0275
Product Use For the control of early competing weeds in carrots, chickpeas, cotton, potatoes, sunflowers, peanuts and other crops as per the Directions for Use table.
Company Name NUFARM AUSTRALIA LIMITED. (ABN 80 004 377 780)
Address 103-105 Pipe Road Laverton North
Victoria 3026 Australia
Emergency Tel. 24hr 1800 033 498
Telephone/Telex Number Tel: (03) 9282-1000 Fax: (03) 9282-1001
Product Type Group C Herbicide
Other Information This MSDS describes, to the best of our knowledge, the properties of the concentrated product. The physical properties and some of the assessments do not apply to the properties of the product once it has been diluted for application. Acute health effects of the diluted product are likely to be much less severe.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization Solid

Ingredients	Name	CAS	Proportion
	Prometryn tech.	7287-19-6	900 g/Kg
	Dispersants	N/A	1-10 %

3. HAZARDS IDENTIFICATION

Other Information Poisons Schedule 5

4. FIRST AID MEASURES

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

Ingestion Give a glass of water.
If vomiting occurs, give more water to drink to assist dilution.
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 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

Extinguishing Media Water fog, foam, carbon dioxide or dry chemical.

Hazardous Combustion Products Combustible. If involved in a fire, it will emit oxides of nitrogen, oxides of carbon and possibly traces of sulphur oxides.

Protective Equipment Breathable air apparatus may have to be worn if material is involved in fires especially in confined spaces.

6. ACCIDENTAL RELEASE MEASURES



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

7. HANDLING AND STORAGE

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

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Limits No exposure standards have been set for this product or the active ingredients.

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

Personal Protective Equipment It is good practice to wear suitable personal protective equipment (PPE).
When using the prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves.

Eng. Controls Natural ventilation is sufficient when handling concentrate and preparing spray solution.
Avoid generating and inhaling dusts.

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Off-white to cream granules

Odour Sweet vanilla odour

Solubility in Water Disperses in water.

Boiling Point N/A

Specific Gravity (H₂O=1) Solid

Vapour Pressure 0.13 mPa @ 20°C for prometryn

Partition co-efficient, n-octanol/water Kow Log P is 3.1

Flash Point N/A

Flammability Combustible

10. STABILITY AND REACTIVITY

Hazardous Polymerization Hazardous polymerisation is not possible.

Hazardous Reaction Keep away from strong oxidising agents.

11. TOXICOLOGICAL INFORMATION

Inhalation May cause irritation to the respiratory tract.

Ingestion The concentrate is of low toxicity if swallowed.
Possible symptoms of exposure include: nausea, vomiting and abdominal pains.

Skin Prolonged contact with the concentrate may cause irritation.

Eye The concentrate may cause irritation of the eyes.

Chronic Effects Based on available data, repeated exposures are not anticipated to cause additional significant adverse effects.



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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) 4550 - 5233 mg/kg for prometryn
Acute Toxicity - Dermal	LD50 (rat) >3100 mg/kg for prometryn
Acute Toxicity - Inhalation	LC50 (rat) (4hr) >5.2 mg/l for prometryn
Eye Irritation	Not an 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 prometryn for a human is 0.03 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 3 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

Other Precautions	Do not contaminate dams, waterways or sewers with this product.
Persistence / Degradability	Average field half life of prometryn is 40 - 70 days.
Acute Toxicity - Fish	The following is data for the active ingredient, prometryn. LC50 (96 hr) for rainbow trout is 5.5 mg/l. LC50 (96 hr) for bluegill sunfish is 7.9 mg/l.
Acute Toxicity - Daphnia	LC50 (48 hr) for daphnia is 12.66 mg/l for prometryn.
Acute Toxicity - Other Organisms	The following data is for the active ingredient, prometryn. Birds: Not toxic to birds. LD50 for mallard ducks is 4640 mg/kg Bees: Not toxic to bees. LD50 >99 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).
Container Disposal	Shake the last amount of product from the bag into application equipment. Thoroughly wash out the inner and add washings to the spray tank. Dispose of washed inner and cardboard box in 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

U.N. Number	None Allocated
Proper Shipping Name	None Allocated
DG Class	None Allocated
Hazchem Code	None Allocated
Packing Group	None Allocated
Storage and Transport	Considered non dangerous for transport by the Australian Code for the Transport of Dangerous Goods by Road and Rail.



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15. REGULATORY INFORMATION

Poisons Schedule S5

Packaging & CAUTION

Labelling KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

AICS (Australia) All of the components in this product are listed on the Australian Inventory of Chemical Substances.

16. OTHER INFORMATION

Contact Person/Point Normal Hours: Mr Volker Maier Phone: (03) 9282 1000
After Hours: Shift Supervisor Phone: 1800 033 498

Revisions Highlighted The MSDS was reviewed. Minor changes were made to the information. The MSDS is now issued in a 16 header format.
...End Of MSDS...