

Infosafe No™ 3NU0L	Issue Date : January 2016	ISSUED by NUFARM
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 Product Name **Semprea Herbicide**

Not classified as hazardous

1. Identification

GHS Product Identifier	Semprea Herbicide
Product Code	0727
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 selective post-emergence control of Nutgrass in Sugarcane, Corn/Maize and Sorghum; for the selective post-emergence control of Nutgrass and Mullumbimby couch in Turf; and for the selective post-emergence control of Navua sedge in Pasture. Also for the control of Nutgrass in Cotton using shielded sprayers as per the Directions for Use table on the Label. READ COMPLETE DIRECTIONS FOR USE BEFORE USING THIS PRODUCT.
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

General	If medical advice is needed, have product container or label at hand.
Precautionary Statement (s)	Keep out of reach of children. Read label before use.
Other Information	Poisons Schedule S5 Not classified as hazardous under the GHS criteria.

3. Composition/information on ingredients

Chemical Characterization	Solid		
Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Halosulfuron - methyl	100784-20-1	750 g/kg
	Other Ingredients		Balance

4. First-aid measures

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.
Eye contact	If in eyes, hold eyelids open and wash with copious amounts of water for at least 15 minutes. Seek medical advice.
First Aid Facilities	If poisoning occurs, contact a doctor or the Poisons Information Centre (Australia) on 13 11 26.

5. Fire-fighting measures

Suitable extinguishing media	If involved in a fire, the product will not burn. Choose extinguishing media to suit the burning material.
Hazards from Combustion Products	Non-flammable. Non-combustible. If involved in a major fire, could evolve oxides of nitrogen, sulphur or hydrogen chloride.

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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	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

Precautions for Safe 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.
Conditions for safe storage, including any incompatibilities	For personal protective equipment (PPE) and hygiene advice, refer Section 8. Store in the closed, original container in a cool, well ventilated area. Do not store for prolonged periods in direct sunlight.
Tank Cleaning	See label for detailed information on cleaning of spray equipment.
Other Information	Always read the label and any attached leaflet before use.

8. Exposure controls/personal protection

Appropriate engineering controls	Handle in well ventilated areas, generally natural ventilation is adequate.
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 PVC gloves and face shield or goggles. Keep people and pets off treated areas until the spray solutions dried.
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.
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	Solid
Appearance	Beige Granules
Odour	Scorched vanilla
Solubility in Water	Disperses in water. 15 mg/l @ pH5 ; 1650 mg/l @ pH7
pH	7.9 (1% solution)
Vapour Pressure	<0.01mPa (25°C)
Partition Coefficient: n-octanol/water	Kow Log P is -0.0186
Flammability	Non combustibile material.
Other Information	pKa is 3.44

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10. Stability and reactivity

Chemical Stability Stable under normal conditions.

Hazardous Polymerization Hazardous polymerisation is not possible.

11. Toxicological Information

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

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

Acute Toxicity - Inhalation LC50 (rat) (4hr) >5.7 mg/l

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

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.

Skin The concentrated product may cause slight irritation on contact.

Eye May cause some discomfort if contact is prolonged.

Skin Sensitisation Product is not a skin sensitiser.

Carcinogenicity Data indicates no carcinogenic effects.

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

Serious eye damage/irritation Mild eye irritant.

Mutagenicity Data indicates no mutagenic effects.

Skin corrosion/irritation Not a skin irritant.

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, Office of Chemical Safety, 'ADI List', December 2014).

12. Ecological information

Persistence and degradability Not readily biodegradable.

Other Precautions Do not graze any treated turf or feed turf clippings from any treated area to poultry or livestock.

Environmental Protection Spray drift should be avoided, read the label for more information.
Marine pollutant.
After spraying, the first flush irrigation tailwater or stormwater run-off from land treated with Sempra should be prevented from entering waterways. Where farms do not have the capacity to retain run-off, DO NOT irrigate to the point of run-off for at least 6 days after application.

Acute Toxicity - Fish LC50 (96hr) for (carp) is 340 ppm
The following is data for the active ingredient, halosulfuron-methyl.
LC50 (96hr) for (trout) is >120 mg/l.

Acute Toxicity - Daphnia LC50 (48hr) for (daphnia) is 170 ppm

Acute Toxicity - Algae EC50 (72hr) for pseudokirchneriella subcapitata 0.0053 mg/l.

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.
Sempra is very highly toxic to duckweed.

13. Disposal considerations

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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 dispose of product on site. Triple 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.
 DO NOT burn empty containers or product.

14. Transport information

Storage and Transport Considered non dangerous for road and rail transport (in packaging) by the Australian Code for the Transport of Dangerous Goods by Road and Rail. Ref: ADG7; SP No. AU01.
 For bulk shipments as Class 9, use UN 3077, HazChem code 2Z.

15. Regulatory information

Regulatory Information WHS Schedule 11: 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: 56620.

16. Other Information

Date of preparation or last revision of SDS Revised 14/01/2016.
 This SDS replaces document dated November 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. Various changes were made to the information.
 Section 1 - Recommended use pattern information.
 Section 7 - Cleaning of spray equipment.
 Section 13 - Container disposal informaion.
 ...End Of MSDS...

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