

Infosafe No™ 3NU0L	Issue Date : May 2020	ISSUED by NUFARM
--------------------	-----------------------	------------------

 Product Name **Semprea Herbicide**

Not classified as hazardous

## 1. Identification

<b>GHS Product Identifier</b>	Semprea Herbicide
<b>Product Code</b>	0727
<b>Product Type</b>	Group B Herbicide
<b>Company Name</b>	NUFARM AUSTRALIA LIMITED. (ABN 80 004 377 780)
<b>Address</b>	103-105 Pipe Road Laverton North Victoria 3026 Australia
<b>Telephone/Fax Number</b>	Tel: +61 3 9282-1000
<b>Emergency phone number</b>	1800 033 498 (24hr Australia)
<b>E-mail Address</b>	SDSANZ@nufarm.com
<b>Recommended use of the chemical and restrictions on use</b>	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.
<b>Other Information</b>	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

<b>GHS classification of the substance/mixture</b>	NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS.
<b>Precautionary statement – General</b>	If medical advice is needed, have product container or label at hand. Keep out of reach of children. Read label before use.
<b>Other Information</b>	Poisons Schedule S5 Not classified as a hazardous chemical under the GHS criteria.

## 3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion
	Halosulfuron - methyl	100784-20-1	750 g/kg
	Other Ingredients		Balance

## 4. First-aid measures

<b>Inhalation</b>	Remove affected person to fresh air until recovered. If symptoms develop or persist, seek medical advice.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Give a glass of water. Obtain medical advice.
<b>Skin</b>	If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water. Remove contaminated clothing and launder before re-use.
<b>Eye contact</b>	If in eyes, hold eyelids open and wash with copious amounts of water for at least 15 minutes. Seek medical advice.
<b>First Aid Facilities</b>	If poisoning occurs, contact a doctor or the Poisons Information Centre (Australia) on 13 11 26.

## 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	If involved in a fire, the product will not burn. Choose extinguishing media to suit the burning material.
-------------------------------------	--

Infosafe No™ 3NU0L	Issue Date : May 2020	ISSUED by NUFARM
--------------------	-----------------------	------------------

Product Name **Sempra Herbicide**

Not classified as hazardous

<b>Hazards from Combustion Products</b>	Non-flammable. Non-combustible. If involved in a major fire, could evolve oxides of nitrogen, sulphur or hydrogen chloride.
<b>Special Protective Equipment for fire fighters</b>	Breathable air apparatus may have to be worn in confined spaces.
<b>Other Information</b>	STOP FIRE WATER FROM ENTERING DRAINS OR WATER BODIES.

## 6. Accidental release measures

<b>Spills &amp; Disposal</b>	Collect spilled material and waste in sealable open-top type containers for disposal. Dispose of at a landfill in accordance with local regulations.
<b>Personal Protection</b>	For appropriate personal protective equipment (PPE), refer Section 8.
<b>Environmental Precautions</b>	This product is a herbicide and spills can damage crops, pastures and desirable vegetation.

## 7. Handling and storage

<b>Precautions for Safe Handling</b>	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.
<b>Conditions for safe storage, including any incompatibilities</b>	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.
<b>Other Information</b>	Always read the label and any attached leaflet before use.

## 8. Exposure controls/personal protection

<b>Appropriate engineering controls</b>	Handle in well ventilated areas, generally natural ventilation is adequate.
<b>Respiratory Protection</b>	Do not inhale spray mist. If dusts are present, wear a class P1 dust mask.
<b>Personal Protective Equipment</b>	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.
<b>Hygiene Measures</b>	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.
<b>Requirements Concerning Special Training</b>	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

<b>Form</b>	Solid
<b>Appearance</b>	Beige Granules
<b>Odour</b>	Scorched vanilla
<b>Solubility in Water</b>	Disperses in water. 15 mg/l @ pH5 ; 1650 mg/l @ pH7
<b>pH</b>	7.9 (1% solution)
<b>Vapour Pressure</b>	<0.01mPa (25°C)
<b>Partition Coefficient: n-octanol/water</b>	Kow Log P is -0.0186

Infosafe No™ 3NU0L	Issue Date : May 2020	ISSUED by NUFARM
--------------------	-----------------------	------------------

 Product Name **Sempre Herbicide**

Not classified as hazardous

**Flammability** Non combustible material.

**Other Information** pKa is 3.44

## 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 &gt;120 mg/l.

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

Infosafe No™ 3NU0L	Issue Date : May 2020	ISSUED by NUFARM
--------------------	-----------------------	------------------

Product Name **Semprea Herbicide**

Not classified as hazardous

<b>Acute Toxicity - Algae</b>	EC50 (72hr) for pseudokirchneriella subcapitata 0.0053 mg/l.
<b>Acute Toxicity - Other Organisms</b>	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

<b>Product Disposal</b>	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®).
<b>Container Disposal</b>	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

<b>Storage and Transport</b>	UN3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S (contains halosulfuron-methyl) Class 9 PG III ADG Code: Not a dangerous good in packs <500 Kg (Special Provision Au001) IATA Code: Not restricted for transport when 5 kg or less (Special Provision A197)
------------------------------	---

### 15. Regulatory information

<b>Regulatory Information</b>	WHS Schedule 11: not listed.
<b>Poisons Schedule</b>	S5
<b>Packaging &amp; Labelling</b>	CAUTION KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
<b>Other Information</b>	This product is registered with the Australian Pesticides and Veterinary Medicines Authority (APVMA). APVMA product number: 56620.

### 16. Other Information

<b>Date of preparation or last revision of SDS</b>	Revised 22 May 2020. This SDS replaces document dated January 2016.
<b>Contact Person/Point</b>	Normal Hours: SDS Coordinator Phone: +61 3 9282 1000 Email : SDSANZ@nufarm.com
<b>Revisions Highlighted</b>	The SDS was reviewed. Various changes were made to the information. Section 14 - IATA information added. ...End Of MSDS...

© Copyright Chemical Safety International Pty Ltd

Copyright in the source code of the HTML, PDF, XML, XFO and any other electronic files rendered by an Infosafe system for Infosafe MSDS displayed is the intellectual property of Chemical Safety International Pty Ltd.

Copyright in the layout, presentation and appearance of each Infosafe MSDS displayed is the intellectual property of Chemical Safety International Pty Ltd. The compilation of MSDS's displayed is the intellectual property of Chemical Safety International Pty Ltd.

Copying of any MSDS displayed is permitted for personal use only and otherwise is not permitted. In particular the MSDS's displayed cannot be copied for the purpose of sale or licence or for inclusion as part of a collection of MSDS without the express written consent of Chemical Safety International Pty Ltd.