

Nufarm Saracen Herbicide

Infosafe No.: 3NV47
ISSUED Date : 17/12/2021
ISSUED by: NUFARM AUSTRALIA LIMITED.

1. Identification

GHS Product Identifier

Nufarm Saracen Herbicide

Product Code

0988

Product Type

Group 2 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

Emergency phone number

1800 033 498 (24hr Australia)

Emergency Contact Name

www.nufarm.com.au

E-mail Address

SDSANZ@nufarm.com

Recommended use of the chemical and restrictions on use

Herbicide for post emergent control of certain broadleaf weeds in barley, wheat, triticale, oats and ryegrass pasture as detailed in the DIRECTIONS FOR USE.

Disclaimer

This Safety Data Sheet describes the properties of the intermediate 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

AC1 Hazardous to the Aquatic Environment - Long-Term Hazard: Category 1

Signal Word (s)

WARNING

Precautionary statement—General

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)

Environment



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.

Precautionary statement–Response

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Other Information

Poisons Schedule S5

3. Composition/information on ingredients

Ingredients

Name	CAS	Proportion
Florasulam	145701-23-1	50 g/L
Ethylene glycol	107-21-1	0-10%
Other ingredients (considered non-hazardous)		Balance

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 local Poisons Information Centre. 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.

Seek medical advice immediately.

First Aid Facilities

If poisoning occurs, contact a doctor or the Poisons Information Centre (Australia) on 13 11 26.

Advice to Doctor

Treat symptomatically.

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

If involved in a fire, the dehydrated components may emit oxides of carbon, nitrogen and sulphur and compounds of chlorine and fluorine.

Special Protective Equipment for fire fighters

Breathable air apparatus should be worn when fighting a fire in which this product is involved.

Specific Hazards Arising From The Chemical

Considered low risk due to water content, however upon evaporation of water the product is combustible.

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.

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.

Store above 0°C

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.

An exposure standard has been set for ethylene glycol (vapour). The TWA is 20 ppm (52 mg/m³).

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 face shield or goggles.

Re-entry period: Do not enter treated area until spray has dried.

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

Properties	Description	Properties	Description
Form	Liquid	Appearance	White to off-white suspension.
Solubility in Water	Disperses in water.	Specific Gravity	1.041
pH	4-7 (1% in water)	Flammability	Not flammable

10. Stability and reactivity

Chemical Stability

Stable under normal conditions.

Possibility of hazardous reactions

Keep away from strong oxidising agents.

Hazardous Polymerization

Hazardous polymerisation is not possible.

11. Toxicological Information

Acute Toxicity - Oral

LD50 (rat) >2000 mg/kg for the formulated product

Acute Toxicity - Inhalation

LC50 (rat) (4hr) >5 mg/l for the formulated product

Acute Toxicity - Dermal

LD50 (rabbit) >2000 mg/kg for the formulated product

Ingestion

Possible symptoms of exposure include: headache, nausea, dizziness and weakness.

Skin

Mild skin irritant and not harmful by dermal exposure.

Eye

Mild eye irritant.

Skin corrosion/irritation

Mild skin irritant.

Mutagenicity

Data indicates no mutagenic effects.

Skin Sensitisation

Product is not a skin sensitiser.

Carcinogenicity

Data indicates no carcinogenic effects.

Reproductive Toxicity

Data indicates no reproductive effects.

Other Information

The Australian Acceptable Daily Intake (ADI) for florasulam for a human is 0.05 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 5 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", Edition 3/2021).

12. Ecological information

Known Harmful Effects on the Environment

The product is a marine pollutant for sea transport.

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

LC50 (96hr) for rainbow trout is >2.1 mg/l.

Acute Toxicity - Daphnia

LC50 (48hr) for daphnia is >2.1 mg/l for florasulam.

Acute Toxicity - Algae

EC50 for (72hr) *Pseudokirchneriella subcapitata* (green algae) is 5.6 mg/l.

Acute Toxicity - Other Organisms

ErC50 (7d) for *Lemna minor* (duckweed) is 0.055mg/L

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.

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.

If recycling, replace cap and return clean containers to recycler or designated collection point.

Triple or preferably pressure rinse containers before disposal. Add rinsings to the spray tank.

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

Transport Information

It is good practice not to transport agricultural chemical products with food, food related materials and animal feedstuffs.

U.N. Number

Storage and Transport

Considered non dangerous for road and rail transport (in packaging 500L(kg) or less and IBCs not greater than 3000 Lt each) by the Australian Code for the Transport of Dangerous Goods by Road and Rail. Ref: ADG7.7; SP No. AU01.
For bulk shipments as Class 9, use UN 3082, HazChem code 3Z.

UN Number (Sea Transport)

3082

IMDG Class/Packing Group

Class 9/PG III

IMDG Marine Pollutant (MP)

Marine Pollutant

IMDG Proper Shipping Name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

(contains florasulam)

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

APVMA product number: 89267/124196.

This product is registered with the Australian Pesticides and Veterinary Medicines Authority (APVMA).

16. Other Information

Date of preparation or last revision of SDS

17 December 2021

Contact Person/Point

Normal Hours: SDS Coordinator Phone: +61 3 9282 1000

After Hours: Shift Supervisor Phone: 1800 033 498

Revisions Highlighted

Minor changes made to the information.

END OF SDS

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