# SAFETY DATA SHEET

**According to Safe Work Australia**

Printing date 14.08.2026 Revision: 14.08.2026

## 1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

**Product Name: 4FARMERS SULFOSULFURON 750 WG HERBICIDE**

**Other Means of Identification:** Mixture

**Recommended Use of the Chemical and Restriction on Use:** Agricultural herbicide

**Details of Manufacturer or Importer:**
4Farmers Australia Pty Ltd
70 McDowell Street
Welshpool WA 6106

**Phone Number:** +61 8 9356 3446

**Emergency telephone number:** National Poison Information Centre: 13 11 26

## 2 . HAZARDS IDENTIFICATION

**Hazardous Nature:**
Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.
Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition). However if transported by Air or Sea, then the product is classed as Dangerous (Class 9 Environmentally Hazardous) by IATA and IMDG/IMSBC respectively. See details below and in Section 14 of this SDS.

environment

Aquatic Acute 1 H400 Very toxic to aquatic life.
Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.

**Signal Word** Warning

**Hazard Statements**
H410 Very toxic to aquatic life with long lasting effects.

**Precautionary Statements**
P273 Avoid release to the environment.
P391 Collect spillage.
P501 Dispose of contents/container in accordance with local/regional/national regulations.

## 3 . COMPOSITION AND INFORMATION ON INGREDIENTS

**Chemical Characterization: Mixtures**
**Description:** Mixture of substances listed below with nonhazardous additions.

| **Hazardous Components:** | | | |
|---|---|---|---|
| 141776-32-1 | Sulfosulfuron | Aquatic Acute 1, H400; Aquatic Chronic 1, H410 | 75% |
| 471-34-1 | Carbonic acid, calcium salt (1:1) | | 21% |

## 4 . FIRST AID MEASURES

**Inhalation:**
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

**Skin Contact:**
In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

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**Eye Contact:**
In case of eye contact, hold eyelids open and rinse with water for at least 15 minutes. Seek medical attention if symptoms occur.

**Ingestion:**
If swallowed, do not induce vomiting. Rinse out mouth and give some water to drink. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

**Symptoms Caused by Exposure:**
Inhalation: May cause respiratory irritation.
Ingestion: The concentrate is of low toxicity if swallowed.

## 5 . FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Water, foam, dry chemical or carbon dioxide.

**Specific Hazards Arising from the Chemical:**
Hazardous combustion products include oxides of carbon, nitrogen and phosphorus and hydrogen chloride. Product is non-flammable.

**Special Protective Equipment and Precautions for Fire Fighters:**
When fighting a major fire wear self-contained breathing apparatus and protective equipment.

## 6 . ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment and Emergency Procedures:**
Wear an approved dust/particulate filter respirator and full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe dust. Ensure adequate ventilation. Avoid generating dust.

**Environmental Precautions:**
In the event of a major spill, prevent spillage from entering drains or water courses.

**Methods and Materials for Containment and Cleaning Up:**
For solid spills: Stop leak if safe to do so and sweep granules into a pile and shovel into drums for subsequent disposal. Avoid generating dust. Provide adequate ventilation.
For liquid spills: Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. If spill is too large or absorbent material is not available create a dyke to stop the spill from spreading. Collect the spilled material and place into a suitable container for disposal. Wash area after spills.

## 7 . HANDLING AND STORAGE

**Precautions for Safe Handling:**
Use of safe work practices are recommended to avoid eye or skin contact and inhalation of dust.
Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

**Conditions for Safe Storage:**
Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Keep away from strong oxidising agents, strong acids and strong bases.

## 8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

| **Exposure Standards:** | |
|---|---|
| **471-34-1 Carbonic acid, calcium salt (1:1)** | |
| NES | TWA: 10 mg/m³ |

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**Engineering Controls:**
Maintain air concentration below occupational exposure standards, providing adequate ventilation.

**Respiratory Protection:**
Respiratory protection is not required under normal use conditions.
Where an inhalation risk exists, wear a Class P1 (particulate) respirator. At high dust levels, wear a powered air purifying respirator (PAPR) with Class P3 (Particulate) filter or an air-line respirator or a full-face Class P3 (particulate) respirator. See Australian/New Zealand Standards AS/NZS 1715 and 1716 for more information.

**Skin Protection:**
Skin protection is not required under normal use conditions.
Suitable elbow-length gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information.
When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.
Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

**Eye and Face Protection:**
Eye protection is not required under normal use conditions.
If in doubt, wear eye and face protectors for protection against dust. See Australian/New Zealand Standard AS/NZS 1337 for more information.

## 9 . PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| **Appearance:** | |
| **Form:** | Granular |
| **Colour:** | White to tan |
| **Odour:** | Weak characteristic odour |
| **Odour Threshold:** | No information available |
| **pH-Value (10 g/l) at 20 °C:** | 5.5 |
| **Melting point/Melting range:** | No information available |
| **Initial Boiling Point/Boiling Range:** | Not applicable |
| **Flash Point:** | Not applicable |
| **Flammability:** | Product is not flammable. |
| **Auto-ignition Temperature:** | Not applicable |
| **Decomposition Temperature:** | No information available |
| **Explosion Limits:** | |
| **Lower:** | Not applicable |
| **Upper:** | Not applicable |
| **Vapour Pressure:** | No information available |
| **Density:** | No information available |
| **Relative Density:** | No information available |
| **Vapour Density:** | No information available |
| **Evaporation Rate:** | No information available |
| **Solubility in Water:** | Wettable |

## 10 . STABILITY AND REACTIVITY

**Possibility of Hazardous Reactions:** Hazardous polymerisation will not occur.

**Chemical Stability:** Stable at ambient temperature and under normal conditions of use.

**Conditions to Avoid:** Extreme temperatures.

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**Incompatible Materials:** Strong oxidising agents, strong acids and strong bases.

**Hazardous Decomposition Products:** Oxides of carbon, nitrogen and phosphorus and hydrogen chloride.

## 11 . TOXICOLOGICAL INFORMATION

**Toxicity:**

| **$LD_{50}$/$LC_{50}$ Values Relevant for Classification:** | | |
|---|---|---|
| **141776-32-1 Sulfosulfuron** | | |
| Oral | $LD_{50}$ | >5000 mg/kg (rat) (similar formulation) |
| Dermal | $LD_{50}$ | >5000 mg/kg (rat) (similar formulation) |
| Inhalation | $LC_{50}$/4 h | >3.2 mg/L (rat) (no deaths - similar formulation) |
| **471-34-1 Carbonic acid, calcium salt (1:1)** | | |
| Oral | $LD_{50}$ | 6450 mg/kg (rat) |

**Acute Health Effects**
**Inhalation:** May cause respiratory irritation.
**Skin:** No adverse health effects expected.
**Eye:** No adverse health effects expected.
**Ingestion:** The concentrate is of low toxicity if swallowed.

**Skin Corrosion / Irritation:** Based on classification principles, the classification criteria are not met.

**Serious Eye Damage / Irritation:** Based on classification principles, the classification criteria are not met.

**Respiratory or Skin Sensitisation:** Based on classification principles, the classification criteria are not met.

**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.

**Carcinogenicity:** This product does NOT contain any IARC listed chemicals.

**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.

**Specific Target Organ Toxicity (STOT) - Single Exposure:**
Based on classification principles, the classification criteria are not met.

**Specific Target Organ Toxicity (STOT) - Repeated Exposure:**
Based on classification principles, the classification criteria are not met.

**Aspiration Hazard:** Based on classification principles, the classification criteria are not met.

**Chronic Health Effects:** Repeated or prolonged eye exposure may cause irritation.

**Existing Conditions Aggravated by Exposure:** No information available

**Additional toxicological information:**
The Australian Acceptable Daily Intake (ADI) for sulfosulfuron for a human is 0.2 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 24 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', March 2016).

## 12 . ECOLOGICAL INFORMATION

**Ecotoxicity:**
Not toxic to birds or bees.
LD50 >2250 mg/kg (mallard duck and bobwhite quail)
LD50 >128 µg/bee

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**Aquatic toxicity:**
Very Toxic to aquatic life with long lasting effects.

| **141776-32-1 Sulfosulfuron** | |
|---|---|
| $LC_{50}$/96 h | >95 mg/L (rainbow trout) |

**Persistence and Degradability:** Half life in soil is 11-47 days.

**Bioaccumulative Potential:** No information available

**Mobility in Soil:** No information available

## 13 . DISPOSAL CONSIDERATIONS

**Disposal Methods and Containers:** Dispose according to applicable local and state government regulations.

**Special Precautions for Landfill or Incineration:**
Please consult your state Land Waste Management Authority for more information.

## 14 . TRANSPORT INFORMATION

**UN Number**
**ADG** Not regulated
**IMDG, IATA** UN3077

**Proper Shipping Name**
**ADG** Not regulated
**IMDG** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Sulfosulfuron), MARINE POLLUTANT
**IATA** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Sulfosulfuron)

**Dangerous Goods Class**
**ADG Class:** Not regulated
**IMDG Class:** 9 Miscellaneous dangerous substances and articles.

**Packing Group:**
**ADG** Not regulated
**IMDG, IATA** III

**Marine pollutant:** Yes
Symbol (fish and tree)

**EMS Number:** F-A,S-F

**Hazchem Code:** 2Z

## 15 . REGULATORY INFORMATION

| **Australian Inventory of Chemical Substances:** | |
|---|---|
| 141776-32-1 | Sulfosulfuron |
| 471-34-1 | Carbonic acid, calcium salt (1:1) |

**Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:**
Not Scheduled.

## 16 . OTHER INFORMATION

**Date of Preparation or Last Revision:** 14.08.2026

**Prepared by:** MSDS.COM.AU Pty Ltd www.msds.com.au

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### Abbreviations and acronyms:

ADG: Australian Dangerous Goods
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
CAS: Chemical Abstracts Service (division of the American Chemical Society)
$LC_{50}$: Lethal concentration, 50 percent
$LD_{50}$: Lethal dose, 50 percent
IARC: International Agency for Research on Cancer
STEL: Short Term Exposure Limit
TWA: Time Weighted Average
NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)
Aquatic Acute 1: Hazardous to the aquatic environment, short-term (Acute). Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment, long-term (Chronic). Category 1

### Disclaimer

This SDS is prepared in accord with the Safe Work Australia document “Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - December 2011”
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