



4 Farmers ... For Farmers  
Printing date 23.08.2016

# SAFETY DATA SHEET

According to Safe Work Australia

Revision: 23.08.2016

## 1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

**Product Name:** 4FARMERS CHLORSULFURON 750 WDG 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)



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:**

64902-72-3	Chlorsulfuron (ISO)	 Aquatic Acute 1, H400; Aquatic Chronic 1, H410	75%
471-34-1	Carbonic acid, calcium salt (1:1)	 Eye Irrit. 2A, H319	<10%

## 4 . FIRST AID MEASURES

**Inhalation:**

First aid is not normally required. 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.

(Contd. on page 2)

# SAFETY DATA SHEET

## According to Safe Work Australia

Printing date 23.08.2016

Revision: 23.08.2016

**Product Name: 4FARMERS CHLORSULFURON 750 WDG HERBICIDE**

(Contd. of page 1)

**Eye Contact:**

In case of eye contact, hold eyelids open and flush eye continuously with large amounts of water for at least 15 minutes. Seek medical attention if symptoms occur.

**Ingestion:**

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

**Symptoms Caused by Exposure:** Eye Contact: May cause serious eye irritation and inflammation.

### 5 . FIRE FIGHTING MEASURES

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

**Specific Hazards Arising from the Chemical:**

Hazardous combustion products include oxides of carbon and nitrogen and hydrogen chloride. Product is not 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 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:**

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. 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. Protect from extreme temperatures. 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/m<sup>3</sup>

**Engineering Controls:**

Maintain air concentration below occupational exposure standards, providing adequate ventilation.

(Contd. on page 3)

# SAFETY DATA SHEET

## According to Safe Work Australia

Printing date 23.08.2016

Revision: 23.08.2016

**Product Name: 4FARMERS CHLORSULFURON 750 WDG HERBICIDE**

(Contd. of page 2)

**Respiratory Protection:**

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:**

Polychloroprene and nitrile rubber 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 and face protectors for protection against dust. See Australian/New Zealand Standard AS/NZS 1337 for more information.

## 9 . PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:**

<b>Form:</b>	Granular
<b>Colour:</b>	White to tan
<b>Odour:</b>	Weak characteristic odour
<b>Odour Threshold:</b>	No information available
<b>pH-Value:</b>	No information available
<b>Melting point/Melting range:</b>	No information available
<b>Initial Boiling Point/Boiling Range:</b>	Not applicable
<b>Flash Point:</b>	Not applicable
<b>Flammability:</b>	Product is not flammable.
<b>Auto-ignition Temperature:</b>	Not applicable
<b>Decomposition Temperature:</b>	No information available
<b>Explosion Limits:</b>	
<b>Lower:</b>	Not applicable
<b>Upper:</b>	Not applicable
<b>Vapour Pressure:</b>	Not applicable.
<b>Density:</b>	No information available
<b>Relative Density:</b>	Not applicable
<b>Vapour Density:</b>	Not applicable.
<b>Evaporation Rate:</b>	No information available
<b>Solubility in Water:</b>	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.

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

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

(Contd. on page 4)

# SAFETY DATA SHEET

According to Safe Work Australia

Printing date 23.08.2016

Revision: 23.08.2016

**Product Name: 4FARMERS CHLORSULFURON 750 WDG HERBICIDE**

(Contd. of page 3)

## 11 . TOXICOLOGICAL INFORMATION

**Toxicity:****LD<sub>50</sub>/LC<sub>50</sub> Values Relevant for Classification:****471-34-1 Carbonic acid, calcium salt (1:1)**Oral LD<sub>50</sub> 6450 mg/kg (rat)**64902-72-3 Chlorsulfuron (ISO)**Oral LD<sub>50</sub> 5545 mg/kg (rat)Inhalation LC<sub>50</sub>/4 h >5900 mg/m<sup>3</sup> (rat)**Acute Health Effects****Inhalation:** No information available**Skin:** No information available**Eye:** May cause serious eye irritation and inflammation.**Ingestion:** No information available**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 skin exposure may cause irritation, redness and dermatitis. Repeated or prolonged eye contact may cause conjunctivitis.

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

The Australian Acceptable Daily Intake (ADI) for chlorsulfuron 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: Comm. Dept. of Health and Ageing Office of Chemical Safety, 'ADI List', June 2014).

## 12 . ECOLOGICAL INFORMATION

**Ecotoxicity:** Toxic to soil organisms.**Aquatic toxicity:**

Very Toxic to aquatic life with long lasting effects.

**64902-72-3 Chlorsulfuron (ISO)**LC<sub>50</sub>/48 h 370 mg/L (daphnia)**Persistence and Degradability:** No information available

(Contd. on page 5)

# SAFETY DATA SHEET

According to Safe Work Australia

Printing date 23.08.2016

Revision: 23.08.2016

**Product Name: 4FARMERS CHLORSULFURON 750 WDG HERBICIDE**

(Contd. of page 4)

**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. (Chlorsulfuron (ISO)),  
MARINE POLLUTANT**IATA** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Chlorsulfuron (ISO))**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:**

64902-72-3 Chlorsulfuron (ISO)

471-34-1 Carbonic acid, calcium salt (1:1)

**Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:**

Poisons Schedule: 5

## 16 . OTHER INFORMATION

**Date of Preparation or Last Revision:** 23.08.2016**Prepared by:** MSDS.COM.AU Pty Ltd

www.msds.com.au

**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<sub>50</sub>: Lethal concentration, 50 percentLD<sub>50</sub>: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

(Contd. on page 6)

# SAFETY DATA SHEET

## According to Safe Work Australia

Printing date 23.08.2016

Revision: 23.08.2016

**Product Name: 4FARMERS CHLORSULFURON 750 WDG HERBICIDE**

(Contd. of page 5)

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

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”

The information contained in this safety data sheet is provided in good faith and is believed to be accurate at the date of issuance. 4Farmers Australia Pty Ltd makes no representation of the accuracy or comprehensiveness of the information and to the full extent allowed by law excludes all liability for any loss or damage related to the supply or use of the information in this material safety data sheet. MSDS.COM.AU Pty Ltd is not in a position to warrant the accuracy of the data herein. The user is cautioned to make their own determinations as to the suitability of the information provided to the particular circumstances in which the product is used.