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)

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.

<table>
<thead>
<tr>
<th>Hazardous Components:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>64902-72-3  Chlorsulfuron (ISO)</td>
<td>Aquatic Acute 1, H400; Aquatic Chronic 1, H410</td>
</tr>
<tr>
<td>471-34-1 Carbonic acid, calcium salt (1:1)</td>
<td>Eye Irrit. 2A, H319</td>
</tr>
</tbody>
</table>

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)
4FARMERS CHLORSULFURON 750 WDG HERBICIDE

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:

<table>
<thead>
<tr>
<th>Compound</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>471-34-1 Carbonic acid, calcium salt (1:1)</td>
<td>NES TWA: 10 mg/m³</td>
</tr>
</tbody>
</table>

Engineering Controls:
Maintain air concentration below occupational exposure standards, providing adequate ventilation.
SAFETY DATA SHEET
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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:
Form: Granular
Colour: White to tan
Odour: Weak characteristic odour
Odour Threshold: No information available
pH-Value: No information available
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: Not applicable.
Density: No information available
Relative Density: Not applicable
Vapour Density: Not applicable.
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.
Incompatible Materials: Strong oxidising agents, strong acids and strong bases.
Hazardous Decomposition Products: Oxides of carbon and nitrogen and hydrogen chloride.
SAFETY DATA SHEET
According to Safe Work Australia

Printing date 23.08.2016 Revision: 23.08.2016

Product Name: 4FARMERS CHLORSULFURON 750 WDG HERBICIDE

11. TOXICOLOGICAL INFORMATION

Toxicity:

<table>
<thead>
<tr>
<th>LD₅₀/LC₅₀ Values Relevant for Classification:</th>
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</thead>
<tbody>
<tr>
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<tr>
<td>64902-72-3 Chlorsulfuron (ISO)</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>64902-72-3 Chlorsulfuron (ISO)</th>
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</thead>
<tbody>
<tr>
<td>LC₅₀/₄₈ h</td>
</tr>
</tbody>
</table>

**Persistence and Degradability**: No information available
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
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
SAFETY DATA SHEET
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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.