SAFETY DATA SHEET
According to Safe Work Australia

1. IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: GENFARM 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:
Landmark Operations Limited
Suite 3, Level 1, Building B
11 Talavera Road
Macquarie Park NSW 2113
Phone Number: 02 9889 5400
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.

Hazardous Components:
64902-72-3 Chlorsulfuron (ISO) Aquatic Acute 1, H400; Aquatic Chronic 1, H410 75%

4. FIRST AID MEASURES

Inhalation: If inhaled, remove to fresh air. Seek medical attention if breathing problems develop.
Skin Contact:
In case of irritation, remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.
Eye Contact:
In case of eye contact, hold eyelids open and flush eye continuously with large amounts of water for at least 5 minutes. Seek medical attention if symptoms occur.

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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 medical attention if symptoms occur.

Symptoms Caused by Exposure:
Inhalation: May cause mild irritation to the respiratory tract.
Skin contact: May cause mild skin irritation.
Eye contact: May cause mild eye irritation.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Foam, dry chemical, water fog or carbon dioxide.

Specific Hazards Arising from the Chemical:
Hazardous combustion products include oxides of carbon, oxides of nitrogen, nitrogen compounds, oxides of sulphur, sulphur compounds, hydrogen chloride, chlorine compounds, and water.
This product does not burn or explode.

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:
Stop leak if safe to do so and sweep material into a pile and shovel in a container for subsequent disposal. Avoid generating dust. Provide adequate ventilation. Decontaminate spill area with detergent and water.

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 in original container tightly closed when not in use. Protect from direct sunlight. Keep away from strong oxidising agents.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Engineering Controls: Ensure adequate ventilation of the working area.

Respiratory Protection:
Where an inhalation risk exists, wear a Class P1 (particulate) respirator. See Australian/New Zealand Standards AS/NZS 1715 and 1716 for more information.
Skin Protection:
PVC, PVA, nitrile, neoprene, rubber or vinyl 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 solid
Colour: White to off-white
Odour: Odourless
Odour Threshold: No information available
pH-Value: No information available
Melting point/Melting range: 174-178 °C (chlorsulfuron)
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: Negligible at 25 °C.
Relative Density: No information available
Vapour Density: Not applicable.
Evaporation Rate: No information available
Solubility in Water: Dispersible

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: Excessive heat and prolonged periods in direct sunlight.
Incompatible Materials: Strong oxidising agents.

Hazardous Decomposition Products:
Oxides of carbon, oxides of nitrogen, nitrogen compounds, oxides of sulphur, sulphur compounds, hydrogen chloride, chlorine compounds, and water.

11. TOXICOLOGICAL INFORMATION

Toxicity:

<table>
<thead>
<tr>
<th>LD₅₀/LC₅₀ Values Relevant for Classification:</th>
</tr>
</thead>
<tbody>
<tr>
<td>64902-72-3 Chlorsulfuron (ISO)</td>
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<tr>
<td>Oral</td>
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40.1.5

<table>
<thead>
<tr>
<th>Dermal</th>
<th>LD50</th>
<th>&gt; 2000 mg/kg (rabbit)</th>
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<tbody>
<tr>
<td>Inhalation</td>
<td>LC50</td>
<td>&gt; 5.9 mg/L - 4 hr (rat)</td>
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Acute Health Effects

Inhalation: May cause mild irritation to the respiratory tract.

Skin: May cause mild skin irritation.

Eye: May cause mild eye irritation.

Ingestion: No adverse health effects expected.

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: No information available

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:

Birds:
LD50 (mallard duck) > 5000 mg/kg
LD50 (bobwhite quail) > 5000 mg/kg

Aquatic toxicity:
Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

64902-72-3 Chlorsulfuron (ISO)

| LC50/48 h | 370 mg/l (daphnia) |

Persistence and Degradability: This product is biodegradable.

Bioaccumulative Potential: No information available

Mobility in Soil: No information available

Other adverse effects: No information available

13. DISPOSAL CONSIDERATIONS

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.
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Special Precautions for Landfill or Incineration:
Please consult your state Land Waste Management Authority for more information.

14. TRANSPORT INFORMATION

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<thead>
<tr>
<th>UN Number</th>
<th>ADG</th>
<th>Not regulated</th>
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<td>IMDG, IATA</td>
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<table>
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<tr>
<th>Proper Shipping Name</th>
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| Marine pollutant | Yes |

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<th>EMS Number</th>
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<th>179, 274, 331, 335, AU01</th>
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<th>Limited Quantities</th>
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<th>Packagings &amp; IBCs - Packing Instruction</th>
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<th>Packagings &amp; IBCs - Special Packing Provisions</th>
<th>PP12, B3</th>
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<tr>
<th>Portable Tanks &amp; Bulk Containers - Instructions</th>
<th>T1, BK2</th>
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| Portable Tanks & Bulk Containers - Special Provisions | TP33 |

15. REGULATORY INFORMATION

<table>
<thead>
<tr>
<th>Australian Inventory of Chemical Substances:</th>
<th>64902-72-3 Chlorsulfuron (ISO)</th>
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<tr>
<th>Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:</th>
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<td>Poisons Schedule: 5</td>
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16. OTHER INFORMATION

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<th>Date of Preparation or Last Revision:</th>
<th>10.06.2015</th>
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<tr>
<td>Prepared by:</td>
<td>MSDS.COM.AU Pty Ltd <a href="http://www.msds.com.au">www.msds.com.au</a></td>
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<th>Abbreviations and acronyms:</th>
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<tbody>
<tr>
<td>ADG: Australian Dangerous Goods</td>
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<tr>
<td>IMDG: International Maritime Code for Dangerous Goods</td>
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<tr>
<td>IATA: International Air Transport Association</td>
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<tr>
<td>GHS: Globally Harmonised System of Classification and Labelling of Chemicals</td>
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<tr>
<td>EINECS: European Inventory of Existing Commercial Chemical Substances</td>
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<td>ELINCS: European List of Notified Chemical Substances</td>
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<tr>
<td>CAS: Chemical Abstracts Service (division of the American Chemical Society)</td>
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Product Name: GENFARM CHLORSULFURON 750 WDG HERBICIDE

LC₅₀: Lethal concentration, 50 percent
LD₅₀: 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)

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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