# SAFETY DATA SHEET
## CHATEAU HERBICIDE

According to Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice, December 2011

## SECTION 1: Identification: Product identifier and chemical identity

<table>
<thead>
<tr>
<th>Product identifier</th>
<th>CHATEAU HERBICIDE</th>
</tr>
</thead>
</table>

### Relevant identified uses of the substance or mixture and uses advised against

- **Uses advised against**: No specific uses advised against are identified.

### Details of the supplier of the safety data sheet

- **Supplier**: Sumitomo Chemical Australia Pty Ltd  
  - Level 5, 51 Rawson Street,  
  - EPPING, NSW 2121  
  - (02) 8752 9000  
  - (02) 8752 9099  
  - Reception @ sumitomo-chem.com.au

### Emergency telephone number

- **Emergency telephone**: 1 800 024973

## SECTION 2: Hazard(s) identification

### Classification of the substance or mixture

- **Physical hazards**: Not Classified  
- **Health hazards**: Repr. 1B - H360D  
- **Environmental hazards**: Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

### Label elements

- **Pictogram**:  
  - Repr. 1B  
  - Aquatic Acute 1

- **Signal word**: Danger

- **Hazard statements**:  
  - H360D CLP only - May damage the unborn child.  
  - H410 Very toxic to aquatic life with long lasting effects.

- **Precautionary statements**:  
  - P201 Obtain special instructions before use.  
  - P202 Do not handle until all safety precautions have been read and understood.  
  - P273 Avoid release to the environment.  
  - P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
  - P308+P313 IF exposed or concerned: Get medical advice/ attention.  
  - P391 Collect spillage.  
  - P405 Store locked up.  
  - P501 Dispose of contents/ container in accordance with national regulations.

### Contains

- flumioxazin (ISO)

### Other hazards

This product does not contain any substances classified as PBT or vPvB.
CHATEAU HERBICIDE

SECTION 3: Composition and information on ingredients

Substances

<table>
<thead>
<tr>
<th>Substance</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>flumioxazin (ISO)</td>
<td>50.0%</td>
</tr>
<tr>
<td>CAS number: 103361-09-7</td>
<td></td>
</tr>
</tbody>
</table>

Product name: CHATEAU HERBICIDE

SECTION 4: First aid measures

Description of first aid measures

General information
Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.

Inhalation
Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if symptoms are severe or persist.

Ingestion
Rinse mouth thoroughly with water. Get medical advice/attention if you feel unwell. Do not induce vomiting unless under the direction of medical personnel.

Skin Contact
Rinse with water.

Eye contact
Rinse with water. Get medical attention if any discomfort continues.

Protection of first aiders
First aid personnel should wear appropriate protective equipment during any rescue.

Most important symptoms and effects, both acute and delayed

General information
The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation
No specific symptoms known.

Ingestion
No specific symptoms known.

Skin contact
Prolonged contact may cause dryness of the skin.

Eye contact
No specific symptoms known. May be slightly irritating to eyes.

Indication of any immediate medical attention and special treatment needed

Notes for the doctor
Treat symptomatically.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media
The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media
Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture

Specific hazards
None known.

Hazardous combustion products
Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

Advice for firefighters


CHATEAU HERBICIDE

Protective actions during firefighting

Avoid breathing fire gases or vapours. Evacuate area. Keep upwind to avoid inhalation of gases, vapours, fumes and smoke. Ventilate closed spaces before entering them. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. Avoid discharge to the aquatic environment. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to Australia/New Zealand Standards AS/NZS 4967 (for clothing) AS/NZS 1801 (for helmets), AS/NZS 4821 (for protective boots), AS/NZS 1801 (for protective gloves) will provide a basic level of protection for chemical incidents.

Hazchem Code

2Z

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions

Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be taken without appropriate training or involving any personal risk.

Environmental precautions

Environmental precautions

Avoid discharge into drains or watercourses or onto the ground. Avoid discharge to the aquatic environment.

Methods and material for containment and cleaning up

Methods for cleaning up

Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Collect spillage with a shovel and broom, or similar and reuse, if possible. Collect and place in suitable waste disposal containers and seal securely. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dangerous for the environment. Do not empty into drains. For waste disposal, see Section 13.

Reference to other sections

Reference to other sections

For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage, including how the chemical may be safely used

Precautions for safe handling

Usage precautions

Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Keep container tightly sealed when not in use. May damage the unborn child. Pregnant or breastfeeding women should not work with this product if there is any risk of exposure. Avoid discharge to the aquatic environment. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers.

Advice on general occupational hygiene

Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash before reuse. Wash contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities

Storage precautions

Store locked up. Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage.

Storage class

Miscellaneous hazardous material storage.

Specific end use(s)
CHATEAU HERBICIDE

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls and personal protection

Control parameters

Occupational exposure limits
flumioxazin (ISO)
National exposure standard
No value assigned for this specific material by the National Health and Safety Commission (NOHSC Australia).

Exposure controls

Protective equipment

Appropriate engineering controls
Provide adequate general and local exhaust ventilation. Ensure the ventilation system is regularly maintained and tested. Good general ventilation should be adequate to control worker exposure to airborne contaminants. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection
Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses.

Hand protection
Wear protective gloves. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with Australia/New Zealand Standard AS/NZS 2161. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended.

Other skin and body protection
Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures
Wash hands thoroughly after handling. Wash at the end of each work shift and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.

Respiratory protection
Ensure all respiratory protective equipment is suitable for its intended use and complies with Australia/New Zealand Standard AS/NZS 1716. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges should comply with Australia/New Zealand Standard AS/NZS 1716. Full face mask respirators with replaceable filter cartridges should comply with Australia/New Zealand Standard AS/NZS 1716. Half mask and quarter mask respirators with replaceable filter cartridges should comply with Australia/New Zealand Standard AS/NZS 1716.

Environmental exposure controls
Keep container tightly sealed when not in use. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance
Granules

Colour
Beige.

Odour
Odourless.
CHATEAU HERBICIDE

pH
pH (diluted solution): 5.4 1%

Bulk density
0.51 kg/l

SECTION 10: Stability and reactivity

Reactivity
There are no known reactivity hazards associated with this product.

Stability
Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

Possibility of hazardous reactions
No potentially hazardous reactions known.

Conditions to avoid
There are no known conditions that are likely to result in a hazardous situation.

Materials to avoid
No specific material or group of materials is likely to react with the product to produce a hazardous situation.

Hazardous decomposition products
Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity - oral
Notes (oral LD₅₀) \(LD₅₀ > 5000 \text{ mg/kg, Oral, Rat}\)

Acute toxicity - dermal
Notes (dermal LD₅₀) \(LD₅₀ > 2000 \text{ mg/kg, Dermal, Rabbit}\)

Acute toxicity - inhalation
Notes (inhalation LC₅₀) \(LC₅₀ > 969 \text{ mg/l, Inhalation, Rat}\)

Skin corrosion/irritation
Animal data
Based on available data the classification criteria are not met.

Serious eye damage/irritation
Based on available data the classification criteria are not met.

Respiratory sensitisation
Based on available data the classification criteria are not met.

Skin sensitisation
Based on available data the classification criteria are not met.

Germ cell mutagenicity
Based on available data the classification criteria are not met.

Genotoxicity - in vitro
Based on available data the classification criteria are not met.

Carcinogenicity
Based on available data the classification criteria are not met.

IARC carcinogenicity
None of the ingredients are listed or exempt.

Reproductive toxicity
Based on available data the classification criteria are not met.

Reproductive toxicity - fertility
Based on available data the classification criteria are not met.
CHATEAU HERBICIDE

Reproductive toxicity - development
May damage the unborn child.

Specific target organ toxicity - single exposure
STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure
STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard
Aspiration hazard Not relevant. Solid.

General information Avoid contact during pregnancy/while nursing. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation No specific symptoms known.
Ingestion No specific symptoms known.
Skin Contact Prolonged contact may cause dryness of the skin.
Eye contact No specific symptoms known.
Route of entry Ingestion Inhalation Skin and/or eye contact
Target Organs No specific target organs known.

SECTION 12: Ecological Information

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

Acute toxicity - fish LC₅₀, 96 hour: 2.3 mg/l, Onchorhynchus mykiss (Rainbow trout)
Acute toxicity - terrestrial LC₅₀, 14 days: >5620 mg/kg/day, Colinus Virginianus (Bobwhite Quail)
Chronic toxicity - fish early life stage NOEC, : 0.0077 mg/l, Onchorhynchus mykiss (Rainbow trout)

Persistence and degradability
The degradability of the product is not known.

Bioaccumulative potential
Bioaccumulative Potential No data available on bioaccumulation.

Mobility in soil
Mobility No data available.

Results of PBT and vPvB assessment

Other adverse effects None known.

SECTION 13: Disposal considerations

Waste treatment methods
General information The generation of waste should be minimised or avoided wherever possible.
**CHATEAU HERBICIDE**

**Disposal methods**  
DO NOT dispose of undiluted chemicals on-site. Break, crush or puncture sachets and containers and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available bury the empty packaging 500 mm 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.

**SECTION 14: Transport information**

**General**  
Not a dangerous good according to ADG code 7

**UN number**  
3077

**UN proper shipping name**  
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, N.O.S. (flumioxazin 50%)

**Transport hazard class(es)**  
9

**Packing group**  
III

**Environmental hazards**

**Special precautions for user**

**Hazchem Code**  
2Z

**SECTION 15: Regulatory information**

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Inventories**

**Australia - AICS**  
None of the ingredients are listed or exempt.

**SECTION 16: Any other relevant information**

**Training advice**  
Only trained personnel should use this material.

**Revision date**  
30/06/2016

**Revision**  
3

**Supersedes date**  
30/06/2016

**SDS No.**  
4567

**Hazard statements in full**

H360D CLP only - May damage the unborn child.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.