

# SAFETY DATA SHEET

## Baron<sup>®</sup> WG

Date of Issue: 9th April 2021

### 1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

Chemical name of active ingredient(s): Recommended use:	Oxyfluorfen Herbicide
Supplier:	UPL New Zealand Limited PO Box 51584, Pakuranga Auckland Phone 0800 100 325
Emergency telephone number:	0800 Poison (0800 764 766) 24 Hours

### 2. HAZARDS IDENTIFICATION

Hazard Classification: 6.3B, 6.4A, 6.9B, 9.1A, 9.2A



#### Required identification Details:

**Signal Word: WARNING**

May cause skin and eye irritation.  
Repeated oral exposure at high doses is believed to cause harm to the liver.  
Very toxic to aquatic organisms.  
Very toxic to the soil environment.  
Wash thoroughly after handling.  
Wear protective gloves/ protective clothing/ eye protection/ face protection  
If on skin: Wash with plenty of water  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Immediately call the National Poisons Centre 0800 POISON (0800 764 766) or a doctor.  
Dispose of contents/container in accordance with the Hazardous Substances (Disposal) Notice 2017.  
Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.  
DO NOT apply directly into or onto water.

DO NOT re-enter the spray area until 4 hours after the end of the application unless wearing appropriate personal protective equipment.

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Substance/preparation Information on hazardous ingredients

Common name	CAS No	%
Oxyfluorfen	42874-03-3	40

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### 4. FIRST-AID MEASURES

#### Description of necessary first aid measures:

#### Effects and symptoms

<b>Inhalation:</b>	Move person to fresh air. If person is not breathing call 111 or an ambulance, and then give artificial respiration; if by mouth to mouth, use rescuer protection (pocket mask, etc). Call a poison control centre or doctor for treatment advice.
<b>Ingestion:</b>	Call a poison control centre or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control centre or doctor. Never give anything by mouth to an unconscious person.
<b>Skin contact:</b>	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.
<b>Eye contact:</b>	Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, and then continue rinsing eyes. Call a poison control centre or doctor for treatment advice.
<b>Notes to a physician:</b>	No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

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### 5. FIRE-FIGHTING MEASURES

<b>Extinguishing media:</b>	Fog, CO2, dry chemical.
<b>Hazardous thermal (de)composition products:</b>	None known.
<b>HAZCHEM Code:</b>	Hydrogen chloride, hydrogen fluoride, nitrogen oxides 2XE
<b>Protection of fire-fighters:</b>	Remain upwind. Use water spray to cool containers exposed to fire. Wear full protective clothing and self-contained breathing apparatus. Do not breathe smoke or gases.

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## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	Wear protective clothing and personal protective equipment as described in section 8. Keep unprotected persons and animals out of the area.
<b>Environmental precautions:</b>	Keep material out of lakes, streams, ponds and sewer drains
<b>Methods for cleaning up:</b>	Dike to confine spill and absorb with a inert material absorbent such as clay, sand or soil. Vacuum, shovel or pump waste into a drum and label contents for disposal.

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## 7. HANDLING AND STORAGE

<b>Handling:</b>	<ul style="list-style-type: none"><li>• Keep out of reach of children</li><li>• Read label before use.</li><li>• When mixing or applying, avoid contact with skin and eyes.</li><li>• Do not breathe fumes, vapours or spray.</li><li>• Wear protective clothing, gloves and goggles</li><li>• Do not eat or drink while using. Wash hands and face before meals and after work.</li><li>• Wash protective clothing after work.</li><li>• Avoid release to the environment.</li></ul>
<b>Storage:</b>	<ul style="list-style-type: none"><li>• Store in original container tightly closed and in a locked, dry, cool, well ventilated area, away from feed, seeds and foodstuffs.</li><li>• Keep out of direct sunlight. Storage must be generally in accordance with NZS8409 Management of Agrichemicals. See the HAZNOTE for further information.</li></ul>
<b>Packaging materials:</b>	Plastic lined Cardboard box

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Workplace Exposure Guidelines

**Exposure Standards:** Not established.

### Engineering measures

**Exposure control measures:** Provide general and/or local ventilation to control airborne levels below the exposure guidelines.

### Personal Protective Equipment

**Detail specifications for equipment:**

**Respiratory system:**

**Skin and body:**

**Hands:**

Wear long sleeved shirt, long pants.

Use gloves chemically resistant (eg: nitrile or neoprene) when prolonged or frequently repeated contact could occur.

**Eyes:**

Wear face shield or goggles.

**General hygiene:**

After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

After each day's use, wash contaminated clothing and safety equipment.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Granule
<b>Colour:</b>	Off-white
<b>Odour:</b>	Neutral
<b>pH:</b>	8-9.5
<b>Vapour Pressure:</b>	NA
<b>Boiling Point:</b>	100°C (Water)
<b>Freezing/melting point:</b>	Not Available
<b>Solubility:</b>	Dispersible
<b>Specific gravity or density:</b>	1
<b>Information for flammable material including:</b>	
<b>Flashpoint:</b>	Not combustible
<b>Octanol/water partition coefficient:</b>	Not available

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## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	This product is stable under normal storage conditions.
<b>Conditions to avoid:</b>	
<b>Materials to avoid:</b>	Oxidizing agents, bromine and chromic acid.
<b>Hazardous Decomposition Products:</b>	Thermal decomposition may yield hydrogen chloride and hydrogen fluoride
<b>Hazardous polymerization:</b>	This product will not undergo polymerisation reactions.

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## 11. TOXICOLOGICAL INFORMATION

### Values provided for a similar substance

<b>Acute toxicity – Oral : LD<sub>50</sub></b>	Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts. The oral LD <sub>50</sub> >5000 mg/kg (rats).
<b>Acute toxicity - Dermal : LD<sub>50</sub></b>	Brief contact is essentially non-irritating to skin. Prolonged skin contact is unlikely to result in absorption of harmful amounts. The LD <sub>50</sub> >5000 mg/kg (rabbits).
<b>Acute toxicity – Inhalation: LC<sub>50</sub></b>	Aerosol LC <sub>50</sub> >0.39 mg/L for 4 hours (rats). Oxyfluorfen aerosol LC <sub>50</sub> >5.4 mg/L for 4 hours (rats).
<b>Skin irritation:</b>	LD <sub>50</sub> >5000 mg/kg (rabbits).
<b>Eye irritation:</b>	May cause slight temporary eye irritation. Corneal injury is unlikely.
<b>Sensitization:</b>	Not a sensitizer.
<b>Chronic toxicity Carcinogenicity:</b>	Oxyfluorfen has caused cancer in laboratory animals when administered at high dose rates. Propylene glycol did not cause cancer in laboratory animals.
<b>Mutagenicity:</b>	For oxyfluorfen and propylene glycol, in-vitro and animal genetic toxicity studies were negative.
<b>Reproduction toxicity:</b>	For oxyfluorfen, in laboratory animal studies, effects on reproduction have been seen only at doses that produced significant toxicity to the parent animals. For propylene

glycol, in animal studies, did not interfere with reproduction or fertility.

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## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

<b>Aquatic:</b>	LC50 = 0.41 mg/kg (Rainbow Trout) LC50 = 0.21 mg/kg (Bluegill Sunfish)
<b>Terrestrial vertebrate:</b>	LD50 >2,150 mg/kg (Bobwhite quail)
<b>Terrestrial invertebrate:</b>	Non toxic LC50 > 10,000 ppm (Bee) Very toxic (Earthworm)
<b>Bioaccumulation:</b>	Moderate potential BCF = 1300 (Bluegill sunfish)
<b>Water persistence/ degradability soil water:</b>	Moderately persistent, half-life 30-40 days. Do not contaminate bodies of water with chemical or empty container.

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## 13. DISPOSAL CONSIDERATIONS

<b>Methods of disposal:</b>	Avoid contamination of any waterway with chemical or empty container. Ideally, the product should be used for its intended purpose. If there is a need to dispose of the product, follow the recommendations in NZS 8409.
<b>Product:</b>	Triple rinse container and recycle through the Agrecovery Programme. If this is not possible bury in landfill.
<b>Empty Container:</b>	



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## 14. TRANSPORT INFORMATION - International transport regulations

<b>UN number:</b>	<b>3077</b>
<b>Class or Division:</b>	9
<b>Packing Group:</b>	III
<b>Marine Pollutant:</b>	Yes
<b>Proper shipping name:</b>	ENVIRONMENTALLY HAZARDOUS SOLID N.O.S (Contains 40% Oxyfluorfen)
<b>INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA):</b>	

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## 15. REGULATORY INFORMATION

<b>ACVM Registered Number:</b>	P009186
<b>HSNO Approval Code:</b>	HSR000542

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## 16. OTHER INFORMATION

<b>Additional information:</b>	<b>Original Issue Date: 23 March 2016</b> <b>Revision Date: 09 April 2021</b> <b>Replaces: ES392</b>
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### **Disclaimer EXCLUSION OF LIABILITY: PLEASE READ**

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