



SAFETY DATA SHEET

Browndown Zap

Date of Issue: 16 August 2017

1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

Chemical name of active ingredient(s): Oxyfluorfen

Recommended use: ADDITIVE

Supplier: Etec Crop Solutions Limited
PO Box 51584
Pakuranga, Auckland
Phone 0800 100 325

Emergency telephone number: 0800 CHEM CALL (0800 243 622)
24 Hours

2. HAZARDS IDENTIFICATION

Hazard Classification: Flammable – 3.1D
Toxic - 6.1E, 6.3A, 6.5B, 6.8A, 6.9B, 8.3A
Ecotoxic – 9.1A, 9.2B

Required identification Details: KEEP OUT OF REACH OF CHILDREN
DANGER

Combustible liquid.
May be harmful if swallowed.
May cause skin irritation.
May cause an allergic skin reaction.
May damage fertility or the unborn child.
May cause damage to the liver through prolonged or repeated exposure.
Causes serious eye damage.
Very toxic to aquatic life.
Toxic to the soil environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation Information on hazardous ingredients

Common name	CAS No	%
Oxyfluorfen	42874-03-3	4.0
Calcium dodecylbenzene sulphonate	26264-06-2	3.1 – 4.7
Proprietary co-solvent		37.0

4. FIRST-AID MEASURES

Description of necessary first aid measures:

Effects and symptoms

First-aid measures

Inhalation:

Move to fresh air. Apply artificial respiration if necessary. If symptoms persist, call a doctor.

Ingestion:

DO NOT induce vomiting. Give a glass or two of water. Rinse mouth. Contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. Never give anything by mouth to an unconscious person.

Skin contact:

Remove contaminated clothing. Wash with plenty of soap and water.

Eye contact:

Immediately flush with water for 15 minutes. If irritation persists see a doctor.

Notes to a physician:

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

HAZCHEM Code:

3Z

Extinguishing media :

Carbon dioxide, dry chemical, foam.

Hazardous thermal (de)composition products:

Carbon monoxide, carbon dioxide, nitrogen oxides and sulphur oxides.

Protection of fire-fighters:

Wear full protective clothing and self contained breathing apparatus. Do not breathe smoke or gases.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Wear protective clothing and personal protective equipment as described in section 8. Keep unprotected persons and animals out of the area.

Environmental precautions:

Keep material out of lakes, streams, ponds and sewer drains.

Methods for cleaning up:

Dike to confine spill and absorb with inert absorbent materials such as clay, sand or soil. Shovel or pump waste into a drum and label contents for disposal. Do not touch or walk through spilled material. Wear the protective equipment recommended above. Stop leak when

safe to do so. Dike area and prevent entry into waterways, and drains. **Small spills/leaks:** Absorb with material such as sand, soil or sawdust. Collect spilled product and place in sealable container for disposal. Spill residues may be cleaned using water and detergent. Contain and absorb wash water for disposal. Absorb and collect washings and place in the same sealable container for disposal. Large spills/leaks: dike the area of large spills and report them to **0800 CHEMCALL**.

7. HANDLING AND STORAGE

Handling:

Avoid contact with eyes and skin. Do not handle material near food, feed or drinking water. Keep out of reach of children.

Storage:

Store in original container tightly closed and in a locked, dry, cool, well ventilated area, away from feed, seeds and foodstuffs. Keep out of direct sunlight. Storage must be generally in accordance with NZS8409 Management of Agrichemicals. See the HAZNOTE for further information.

Packaging materials:

HDPE Plastic – 1, 10, 20 Litres

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace Exposure Guidelines

Workplace exposure standards:

Not established

Exposure Standards outside: The workplace:

None established

Engineering measures

Exposure control measures:

Provide general and/or local ventilation to control airborne levels.

Personal Protective Equipment

Detail specifications for equipment:

Respiratory system:

None required if airborne concentrations are limited.

Skin and body:

When mixing or applying, wear protective clothing.

Hands:

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

Eyes:

Use safety glasses

General hygiene:

Do not eat, drink or smoke when using. Wash hands and face before meals and after work.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:

Liquid

Colour:	Unknown
Odour:	Not available
pH:	Unknown
Vapour Pressure:	Not available
Vapour Density:	Not available
Boiling Point:	Not available
Freezing/melting point:	Not available
Solubility:	Not available
Specific gravity or density:	1.412
Flashpoint:	61°C PMCC
Octanol/water partition coefficient:	Not available
Explosion properties:	Not explosive
Oxidation properties:	Not an oxidizer

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions
Conditions to avoid:	
Materials to avoid:	Heat, naked flame, and sparks
Hazardous decomposition Products:	Carbon dioxide, nitrogen oxides, oxides of phosphorous and sulphur oxides
Hazardous polymerization:	Not known
Specific Data:	
Hazardous reactions :	None known

11. TOXICOLOGICAL INFORMATION

Acute toxicity – Oral :	Estimated LD ₅₀ >2142 mg/kg
Acute toxicity - Dermal :	LD ₅₀ >5000mg/kg
Acute toxicity – Inhalation:	Not established
Skin irritation :	Irritating
Eye irritation:	Corrosive
Sensitization :	Contact sensitizer
Chronic toxicity	
Carcinogenicity:	Not classified
Mutagenicity:	Not mutagenic
Reproduction toxicity:	Known or presumed to be toxic to reproduction or fertility.
Other information :	Harmful to the liver in large doses.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Very toxic to aquatic organisms. Toxic to soil organisms.
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Bioaccumulative potential :

13. DISPOSAL CONSIDERATIONS

Methods of disposal :	CONTAINER DISPOSAL: Ensure container is completely empty. Triple rinse with soap
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and water. Recycle through the **Agrecovery™** programme. If this is not possible, bury in landfill.

PRODUCT DISPOSAL: Ensure unwanted product is used by another operator strictly in accordance with label directions.

14. TRANSPORT INFORMATION - International transport regulations

UN number:	UN 3082
Class or Division:	9
Packing Group:	III
Marine Pollutant:	Yes
Proper shipping name :	Environmentally hazardous substance, liquid, N.O.S. (Oxyfluorfen)
INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA):	

15. REGULATORY INFORMATION

ACVM Registered Number:	
HSNO Approval Code:	HSR002503

16. OTHER INFORMATION

Additional information:	Original Issue Date: 16 August 2017 Revision Date:
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EXCLUSION OF LIABILITY: PLEASE READ

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