



# Safety Data Sheet



## Fenox<sup>®</sup> 240EC

Date of issue: 30<sup>th</sup> March, 2011

<b>1) Identification of Substance:</b>		
Product name:	Fenox 240EC	
Active Ingredient(s):	240g/litre oxyfluorfen	
ACVM Approval:	P7650	
ERMA Approval:	HSR000545	
Distributed by:	Adria Crop Protection P.O. Box 535 Kumeu 1250, Auckland Ph: 09-412-9817 Fax: 09-412-9807 <a href="http://www.adriacp.co.nz">www.adriacp.co.nz</a>	
Emergency Number:	National Poisons Centre 0800 POISON 0800 764 766	
<b>2) Hazards Identification:</b>		
Hazard classification:	Toxic Substances Schedule 4: Harmful Substance. "Caution"	
HSNO Classifications:	3.1D, 6.1E, 6.3A, 6.4A, 6.8B, 6.9B, 9.1A, 9.2A	
Risk and safety phrases:		
<b>3) Composition Details:</b>		
Chemical identity:	Oxyfluorfen	
Chemical identity of ingredients:		
Ingredient:	CAS No.:	Content (%w/v)
Oxyfluorfen	42874-03-3	24 %
N-methyl-2-pyrrolidone	872-50-4	± 10 %
Heavy aromatic solvent	64742-94-5	< 50 %
<b>4) First Aid Measures:</b>		
General Information:		
Skin contact:	After contact with skin, wash immediately with soap and water.	
Eye contact:	If product or spray enters eyes, wash out immediately and continue rinsing with clean water for at least 15 minutes. Obtain medical attention.	
Ingestion:	If swallowed do NOT induce vomiting. For advice, contact the National Poisons Centre on 0800 POISON (0800 764766) or a doctor immediately.	
Inhalation:	Keep patient calm. Remove to fresh air and seek medical attention.	

Further Information:	Treatment: Treat according to symptoms (decontamination, vital functions). No known specific antidote.
<b>5) Fire-Fighting Measures:</b>	
Specific hazards:	Chloride compounds, Fluoride compounds and nitrogen oxides.
Extinguishing media and methods:	Dry chemical, water spray, foam, carbon dioxide.
Recommended protective clothing:	Wear SCBA and chemical-protective clothing.
<b>6) Accidental Release Measures:</b>	
Personal precautions:	Use protective clothing. Avoid contact with skin, eyes and clothing. Remove contaminated clothes and shoes immediately.
Environmental precautions:	Do not discharge into drains/surface waters/groundwater. Do not discharge into the subsoil/soil.
Spill procedures:	Wear appropriate protective clothing and prevent material from entering waterways. Absorb spills with inert material and place in waste containers. Wash area with water and absorb with further inert material.
Disposal procedures:	Dispose of waste safely, according to local Council regulations.
<b>7) Handling &amp; Storage:</b>	
Handling:	Avoid contact with skin and eyes. Ventilation required. Keep away from: sparks, open flame and direct sunlight.
Storage:	Keep away from heat and protect from sunlight. Protect against freezing.
<b>8) Exposure Control / Personal Protection:</b>	
Engineering measures:	
Respiratory protection:	Wear respiratory protection if ventilation is inadequate. Particle filter with medium efficiency for solid and liquid particles.
Eye protection:	Safety goggles with side-shields.
Hand protection:	Suitable chemical resistant safety gloves (e.g. nitrile rubber (.4mm)).
Other protective equipment:	Body protection (chemical protection suit, boots) must be chosen depending on activity and possible exposure.
General Safety & Hygiene measures:	Females of childbearing age should not come into contact with the product. Keep away from food, drink and animal feedstuffs. No eating, drinking or smoking during use. Wash hands and face before breaks and after work.
<b>9) Physical &amp; Chemical Properties:</b>	
Form:	Emulsifiable Concentrate Liquid
Colour:	Amber

Odour:	Aromatic hydrocarbon odour
Melting point/boiling point:	N/A
Density:	1 003 g/L
Surface tension:	N/A
pH:	7,0
Flash point:	± 60 °C
Ignition Temperature:	Not determined
Explosive Limits:	Not established
<b>10) Stability &amp; Reactivity:</b>	
Conditions to avoid:	Temperature extremes
Materials to avoid:	Oxidizing agents, acids and alkali.
Hazardous reactions:	None known at time of publishing
<b>11) Toxicological Information:</b>	
Acute oral toxicity:	Acute oral LD50 for rats and dogs >5000 mg/kg (for oxyfluorfen)
Acute inhalation toxicity:	LC50 for rats >5.4 mg/l (for oxyfluorfen)
Acute dermal toxicity:	Acute percutaneous LD50 for rabbits >10 000 mg/kg (for oxyfluorfen)
Skin irritation:	May cause skin irritation.
Eye irritation:	May cause eye irritation.
Sensitisation:	May cause respiratory sensitisation if inhaled.
<b>12) Ecological Information:</b>	
Acute fish toxicity:	LC50 (96 h) for bluegill sunfish 0.2, trout 0.41, channel catfish 0.4 mg/l (for oxyfluorfen)
Toxicity for daphnia:	LC50 (48 h) 1.5 mg a.i./l (for oxyfluorfen)
Toxicity to algae:	N/A
<b>13) Disposal Considerations:</b>	
Disposal: 	Triple rinse container and add residue to spray tank. Return empty container to an AgRecovery collection point for disposal.
Empty container precautions:	<b>VERY TOXIC TO AQUATIC ORGANISMS.</b> Avoid contamination of any water supply with chemical or empty container.
<b>14) Transportation Information:</b>	
Rail/road (RID/ADR):	Marine pollutant, Liquid, N.O.S. (contains 24% oxyfluorfen) Class 9 UN: 3082, Packing Group II 

Sea (IMDG code):	<p>Marine pollutant, Liquid, N.O.S. (contains 24% oxyfluorfen)  Class 9  UN: 3082, Packing Group II</p> 
Air (ICAO/IATA):	<p>Marine pollutant, Liquid, N.O.S. (contains 24% oxyfluorfen)  Class 9  UN: 3082, Packing Group II</p> 
<b>15) Regulatory Information:</b>	
Approved handlers:	This product must be under the care of an approved handler at all times. Records of use must be kept. Tracking requirements apply.
ACVM controls:	See <a href="http://www.nzfsa.govt.nz/acvm/">www.nzfsa.govt.nz/acvm/</a> for registration conditions.