

Agstar Fluropix 200

Section 1: Identification

Product name:	Agstar Fluropix 200
Other names:	200 g/litre Fluroxypyr as Fluroxypyr methylheptyl ester as an emulsifiable concentrate.
Recommended use:	For control of broadleaf weeds in cereals and apples.
Manufacturer/Importer details:	AgStar New Zealand Pty Ltd 4 Putakitaki Street, Lincoln, Christchurch 7608
Distributor:	Farmlands Co-operative Society Limited 535 Wairakei Road, Burnside, Christchurch 8053 TEL 0800 200 600
24 hour emergency contact:	0800 CHEMCALL (0800 243622)
National Poisons Centre:	0800 POISON (0800 764766)

Section 2: Hazard identification

HSNO Approval: Hazardous classification:	Product is classified as hazardous according to the Hazardous Substances (Hazard Classification) Notice 2020 of the HSNO Act, 1996. HSR100997 Flammable liquid Category 4, Aspiration toxicity Category 1, Eye irritation Category 2, Hazardous to soil organisms, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1.
Pictograms:	
Signal word:	DANGER
Hazard statements:	H227 Combustible liquid H304 May be fatal if swallowed and enters airways H319 Cause serious eye irritation. H400 Toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects Very toxic to soil organisms
Prevention statements:	P102 Keep out of reach of children. P103 Read label before use. P210 Keep away from heat/sparks/open flames/hot surfaces P264 Wash hands, arms and face thoroughly after handling. P273 Avoid release to the environment. P280 Wear protective gloves and eye/face protection.
Response statements:	P370+P378 - In case of fire: Use specify appropriate media for extinction. P101 If medical advice is needed, have product container or label at hand.

Agstar Fluoropix 200

Storage statements:	P301 + P310 IF SWALLOWED: Immediately call a poison center/doctor
Disposal statement:	P331 Do NOT induce vomiting.
Additional Label	P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Requirements:	P337+P313 If eye irritation persists: Get medical advice/attention.
	P391 Collect spillage.
	P314 Get medical advice/attention if you feel unwell.
	P391 Collect spillage.
	P403+P235 - Store in a well-ventilated place. Keep cool.
	P405 - Store locked up.
	P501 Dispose of product and containers in accordance with local Regulations. See Section 13 for details.
	Do not apply into or onto water.
	Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

Section 3: Composition/information on ingredients

Chemical identity of ingredients with health or environmental hazards:

<i>Ingredient</i>	<i>CAS No.</i>	<i>Proportion %</i>
Fluroxypyr-meptyl	81706-37-3	28-30*
Non-hazardous ingredients	Proprietary	Balance

* equivalent to 200 g/L Fluroxypyr

Section 4: First-aid measures

First aid measures:	If medical advice is needed, have product container or label at hand. For advice contact National Poisons Centre 0800 POISON [0800 764 766] or a doctor immediately.
Ingestion:	Do NOT induce vomiting. Rinse mouth. Get medical advice. If risk of vomiting keep head below hips to avoid aspiration into lungs.
Inhalation:	Immediately move to fresh air and keep at rest until recovered. Begin artificial respiration if the victim is not breathing. Use mouth to nose rather than mouth to mouth.
Skin contact:	Remove contaminated clothing and wash skin and hair with plenty of soap and water. If irritation occurs, or rash develops, get medical attention.
Eye contact:	Wash out immediately with running water and keep rinsing for 15 minutes. Remove contact lenses if present and easy to do. Get medical attention if irritation persists.
First aid facilities:	Provide eye baths and safety showers close to areas where product contact or splashing may occur.
Advice to doctor:	Treat symptomatically.

Section 5: Fire-fighting measures

Flammability:	Combustible liquid
Appropriate extinguishing media:	Water spray, carbon dioxide or dry chemical as appropriate to

Agstar Fluoropix 200

	surrounding materials			
Hazardous decomposition products:	Chloride compounds, Fluoride compounds and nitrogen oxides.			
Special protective equipment and precautions for fire-fighters:	In the event of fire, wear self-contained breathing apparatus. Remove product from areas of fire, or otherwise cool containers with water in order to avoid pressure being built up due to heat. Prevent run-off from contaminating drains, sewers or waterways. Inform appropriate authorities immediately if product or run-off enters waterways.			
HAZCHEM code:	3Z			
Section 6: Accidental release measures				
Personal precautions:	Wear protective clothing (overalls buttoned at wrist and neck), chemical resistant gloves and boots and chemical goggles or face shield.			
Environmental precautions:	Contain and collect spillage. Prevent chemical contaminating drains or watercourses by activating emergency shut-off valves or using bunding. Inform appropriate authorities immediately if spill enters waterways or sewers. Prevent chemical contaminating soil.			
Procedure for clean up:	Collect spill and absorb residues with inert absorbent material such as sand, soil or clay granules. Collect into an appropriate, labelled, waste container and dispose of at an approved facility. Prevent runoff entering waterways or contaminating the soil.			
Section 7: Handling and storage				
Safe handling:	Read label before use. Use only outdoors or in a well-ventilated area. Wear protective clothing; chemical goggles or a face shield, impervious gloves, overalls and boots when handling.. Wash splashes from skin immediately. Remove protective clothing and wash hands and face thoroughly before meals and after work. Wash contaminated clothing before re-use.			
Safe storage:	Keep out of reach of children. Store in the original, tightly closed container, in a secure place away from feed, seeds, or foodstuffs. Store in a cool, dry, well-ventilated area. Storage must be in accordance with the current version of NZS 8409 Management of Agrichemicals. Storage of 100 kg or more of this product requires secondary containment, an emergency response plan and signage.			
Section 8: Exposure controls/personal protection				
Occupational exposure limits:	Ingredient	CAS No.	WES-TWA	WES-STEL
	Fluroxypyr-meptyl	81706-37-3	-	-
Biological limit value:	None set as of WorkSafe’s 14 th edition of WES and BEI values, published November 2023.			
Engineering controls:	Use only in well-ventilated areas. If necessary, use local exhaust			

Agstar Fluropix 200

		ventilation to keep airborne concentration below the exposure limits.
Respiratory protection:		Wear half or full mask fitted with vapour filter when mixing or applying spray.
Hand protection:		Elbow length, chemical resistant gloves (e.g. PVC, rubber, neoprene or nitrile).
Eye protection:		Goggles with side pieces or a face shield.
Skin protection:		Overalls and PVC or rubber boots.
General hygiene:		Do not eat, drink or smoke while using. Wash hands and exposed skin thoroughly with soap and water before meals and after work. Wash protective clothing daily after work.
Personal Protection:		Further information on specific types of personal protective gear and related standards is available in Section 16.
Section 9: Physical and chemical properties		
(a)	Appearance:	Clear amber liquid
(b)	Odour:	Slight
(c)	Odour threshold:	Not available.
(d)	pH:	4.0 – 7.0 (1% aqueous)
(e)	Melting point/freezing point:	Not available.
(f)	Initial boiling point and boiling range:	No data available
(g)	Flash point:	Combustible
(h)	Flammability (solid, gas):	Not applicable.
(i)	Upper/lower flammability or explosive limits:	Not available.
(j)	Vapour pressure:	No data available.
(k)	Vapour density:	No data available
(l)	Relative density:	No data available
(m)	Solubility:	Emulsifiable in water.
(n)	Partition coefficient: n-octanol/water:	Not available.
(o)	Auto-ignition temperature:	Not available.
(p)	Decomposition temperature:	Not available.
(q)	Kinematic viscosity:	Not available.
(r)	Particle characteristics	Not applicable.
Section 10: Stability and reactivity		

Agstar Fluoropix 200

Stability of the substance:	Stable under normal conditions.
Conditions to avoid:	Ignition sources (heat, spark, open flames)
Incompatible materials:	Oxidizing agents, acids and alkali
Hazardous decomposition products:	Chloride compounds, Fluoride compounds and nitrogen oxides

Section 11: Toxicological information

	Toxicity classifications determined by assessment of the components in the formulated mixture.
a) Acute toxicity:	Not classified
b) Aspiration hazard:	May be fatal if swallowed and enters airways
c) Respiratory irritation:	Not classified
d) Skin corrosion / irritation:	Not classified
e) Serious eye damage / irritation:	Cause serious eye irritation.
f) Respiratory or skin sensitisation:	Not classified.
g) Germ cell mutagenicity:	Not classified.
h) Carcinogenicity:	Not classified.
i) Reproductive toxicity:	Not classified
j) Specific organ toxicity:	Not classified
k) Narcotic effects:	Not classified.
l) Other adverse effects:	No information.
m) Toxicological information for Fluoroxypyr-metyl :	Acute Oral LD50 (rat) > 2000mg/kg Acute Dermal LD50 (rat) >2000mg/kg Inhalation LC50 4h (rat) >5.2 mg/l

Section 12: Ecological information

	Ecotoxicological classifications determined by assessment of the active ingredient.
(a) Aquatic ecotoxicity:	Very toxic to aquatic organisms with lasting effects
(b) Soil ecotoxicity	Very toxic to soil organisms
(c) Terrestrial vertebrate ecotoxicity:	Not classified
(d) Terrestrial invertebrate ecotoxicity:	Not classified.
(e) Persistence and degradability:	DT50 (typical) 5-9 days
(f) Potential to be bioaccumulative:	Not expected to be bioaccumulative.
(g) Mobility in soil:	Moderately mobile
(h) Ecotoxicological information for active ingredient Fluoroxypyr-metyl :	Birds Acute oral LD50 for bobwhite quail >2000 mg/kg.

Agstar Fluoropix 200

Fish LC50 (96 h) for rainbow trout >100 mg/l. Daphnia LC50 (48 h) >100 mg/l. Bees LD50 (contact) >100 µg/bee; (oral) >100 µg/bee.																					
Section 13: Disposal considerations																					
Product disposal:	Dispose of this product only by using according to the label directions or if this is not possible contact your supplier for advice.																				
Container disposal:	Triple rinse container and add rinsate to the spray tank. Recycle clean containers at an agricultural recycling facility , or puncture and dispose of at an approved landfill. Do not burn. Do not use container for any other purpose.																				
Section 14: Transport information																					
UN number:	3082																				
UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (FLUROXYPYR 20%)																				
UN class:	9																				
Packing group:	III																				
HAZCHEM:	3Z																				
Marine pollutant:	Yes																				
Special precautions:	-																				
This product is classified as a Dangerous Good Class 9. Consult the Land Transport Rule: Dangerous Goods 2005 and NZS 5433:2020 Transport of Dangerous Goods on Land for more information.																					
Section 15: Regulatory information																					
HSNO:	Approved substance under the HSNO Act 1996.																				
Substance approval number:	HSR100997																				
Tolerable exposure limit / environmental exposure limit:	No limits set.																				
HSNO controls:	See www.epa.govt.nz																				
	<table> <tr> <td>Qualifications</td><td>Yes</td></tr> <tr> <td>Tracking:</td><td>No</td></tr> <tr> <td>Safety Data Sheet:</td><td>Any quantity</td></tr> <tr> <td>Restricted to workplace only:</td><td>No</td></tr> <tr> <td>Quantity that must be secured when unattended:</td><td>-</td></tr> <tr> <td>Fire extinguishers</td><td>-</td></tr> <tr> <td>Quantity for secondary containment and emergency response plan:</td><td>100 L</td></tr> <tr> <td>Quantity for signage:</td><td>100 L</td></tr> <tr> <td>Quantity for Location certificate</td><td>-</td></tr> <tr> <td>Records of use (3 kg or more applied to area within 24 hours)</td><td>Yes</td></tr> </table>	Qualifications	Yes	Tracking:	No	Safety Data Sheet:	Any quantity	Restricted to workplace only:	No	Quantity that must be secured when unattended:	-	Fire extinguishers	-	Quantity for secondary containment and emergency response plan:	100 L	Quantity for signage:	100 L	Quantity for Location certificate	-	Records of use (3 kg or more applied to area within 24 hours)	Yes
Qualifications	Yes																				
Tracking:	No																				
Safety Data Sheet:	Any quantity																				
Restricted to workplace only:	No																				
Quantity that must be secured when unattended:	-																				
Fire extinguishers	-																				
Quantity for secondary containment and emergency response plan:	100 L																				
Quantity for signage:	100 L																				
Quantity for Location certificate	-																				
Records of use (3 kg or more applied to area within 24 hours)	Yes																				

Agstar Fluropix 200

	Quantity that requires management in accordance with HSW HS Regulations Hazardous Substances (Packaging) Notice 2017; Clause 9	- UN Pack Group III
Additional controls:	This substance must not be applied at a rate exceeding 2.0 L/ha (0.6 kg a.i./ha) no more than one application per calendar year.	
Additional information:	Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area. Refer to WorkSafe for additional information on controls in the workplace; www.worksafe.govt.nz .	
ACVM:	Registered under the Agricultural Compounds Veterinary Medicines Act 1997.	
Registration number:	P10312	
Conditions of registration:	See www.foodsafety.govt.nz	
Section 16: Other information		
Date of issue:	03/09/2025	
Reason for reissue:	Updated label	
Replaces:	Not applicable	
Information references:	Supplier Safety Data Sheet NZ EPA Approved hazardous substances databases. Workplace Exposure Standards and Biological Exposure Indices	
Abbreviations:	ACVM: Agricultural Chemicals and Veterinary Medicines Group Bw: Bodyweight. HSNO: Hazardous substances and New Organisms Act 1996 (HSNO Act) EPA: Environmental Protection Authority of New Zealand CAS Number: Chemical Abstracts Service Number LD50: Lethal Dose 50% (Population) LC50: Lethal Concentration 50% (Population) WES-TWA: Workplace exposure standards – Time-weighted average WES-STEL: Workplace exposure standards – Short-term exposure limit	
Personal Protection Standards:	The following Standards provide general advice regarding safety clothing and equipment: Respiratory equipment: AS/NZS 1715 , Protective Gloves: AS 2161 , Occupational Protective Clothing: AS/NZS 4501 , Industrial Eye Protection: AS1336 and AS/NZS 1337 , Occupational Protective Footwear: AS/NZS2210	

The data provided in this safety data sheet is based on current knowledge and experience. The purpose of this document is to describe the product in terms of its safety requirements. The above details do not imply any guarantee concerning composition, properties or performance of the product.