

SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: Fluro
 Product Use: Fungicide
 Restriction of Use: Refer to Section 15

New Zealand Supplier: **Adria Crop Protection Solutions**
 Address: 407 State Highway 16
 Kumeu 0841,
 Auckland

Telephone: +64 9 412 9817
 Fax: +64 9 412 9807
 Website: www.adria.nz

Emergency No: 0800 734 607 (24hr)
0800 764 766 (National Poison Centre)

Date of SDS Preparation: 12th February, 2026

Section 2. Hazards Identification

This substance is hazardous according to the EPA Hazardous Substances (Hazard Classification) Notice 2020

EPA Approval No: HSR101553

Pictograms



Signal Word: **Warning**

GHS Category	Hazard Code	Hazard Statement
Specific target organ toxicity (repeated exposure) Cat. 2	H373	May cause damage to organs through prolonged or repeated exposure.
Hazardous to the aquatic environment chronic Cat. 2	H411	Toxic to aquatic life with long lasting effects.
Hazardous to terrestrial vertebrates		

Prevention Code	Prevention Statement
P103	Read carefully and follow all instructions.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.

Response Code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
P319	Get medical help if you feel unwell.

P391	Collect spillage.
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Storage Code	Storage Statement
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Disposal Code	Disposal Statement
P501	Dispose of contents/container in accordance with local regulation.

Section 3. Composition / Information on Hazardous Ingredients

Ingredients	Content (w/v)	CAS NUMBER.
Fluopyram	50%	658066-35-4
Non-hazardous ingredients	To balance	

Section 4. First Aid Measures

Consult the National Poisons Information Centre (0800 POISON (0800 764 766)) or a doctor in every case of suspected chemical poisoning. Never give anything by mouth to an unconscious person. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

Routes of Exposure:

If in Eyes Hold eye open and rinse slowly and gently with lukewarm water for at least 15 minutes. DO NOT INTERRUPT FLUSHING. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. If irritation persists, repeat flushing. Get medical attention if irritation develops and persists.

If on Skin Wash off thoroughly with plenty of soap and water, if available with polyethyleneglycol 400, subsequently rinse with water. Get medical attention if irritation develops and persists.

If Swallowed If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting.

If Inhaled Remove person to fresh air. Keep patient warm and at rest. Call a poison control center or doctor for treatment advice.

Most important symptoms and effects, both acute and delayed

Symptoms:

No known symptoms.

Treatment: Treat according to symptoms (decontamination, vital functions). Gastric lavage is not normally required. However, if a significant amount (more than a mouthful) has been ingested, administer activated charcoal and sodium sulphate. There is no specific antidote.

Section 5. Fire Fighting Measures

Hazards from products	No hazards known.
Suitable Extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Recommended protective clothing & Precautions for firefighters	Wear full protective clothing and self contained breathing apparatus.

Section 6. Accidental Release Measures

Personal precautions:

Wear full protective clothing including eye/face protection. All skin areas should be covered. See below under Personal Protection regarding Standards relating to personal protective equipment. Suitable materials for protective clothing include rubber, Nitrile, no specific manufacturer recommendations. Use impermeable gloves with care. Eye/face protective equipment should comprise as a minimum, protective glasses and, preferably, goggles.

Environmental precautions:

Do not discharge into drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

Spill and Disposal procedures:

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Clean contaminated floors and objects thoroughly, observing environmental regulations. Keep in suitable, closed containers for disposal.

Reference to other sections: Information regarding safe handling, see section 7. Information regarding personal protective equipment, see section 8. Information regarding waste disposal, see section 13.

Section 7. Handling and Storage

Precautions for Handling:

- Read label before use.
- No special measures necessary if stored and handled correctly.
- Do not handle until all safety precautions have been read and understood.
- Avoid contact with skin and eyes.
- Wash hands before breaks and immediately after handling the product.
- Wash hands immediately after work, if necessary take a shower.
- Remove soiled clothing immediately and clean thoroughly before using again.
- Garments that cannot be cleaned must be destroyed (burnt).
- When using do not eat, drink or smoke.
- Keep away from: sparks, open flame and direct sunlight.
- Avoid release to the environment.
- Use personal protective equipment as required.

Precautions for Storage:

- Store away from incompatible materials listed in Section 10.
- Store locked up.
- No smoking.
- Protect against moisture.
- Keep containers tightly closed in a dry, cool and well-ventilated place.
- Store in a place accessible by authorized persons only.
- Keep away from direct sunlight.
- Protect from frost.
- Keep away from food, drink and animal feedingstuffs.

Section 8**Exposure Controls / Personal Protection****WORKPLACE EXPOSURE STANDARDS (provided for guidance only)**

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
Fluopyram		0.34 mg/m ³		

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices NOV 2017 9TH EDITION.

Engineering Controls / Industrial Hygiene

The statements on personal protective equipment in the instructions for use apply when handling crop-protection agents in final-consumer packing. Wearing of closed work clothing is recommended. Store work clothing separately. Keep away from food, drink and animal feeding stuffs.

Personal Protection Equipment

Eyes	Wear goggles (conforming to EN166, Field of Use = 5 or equivalent).
Hands	Wear CE Marked (or equivalent) nitrile rubber gloves (minimum thickness of 0,4 mm). Wash when contaminated and dispose of when contaminated inside, when perforated or when contamination on the outside cannot be removed. Wash hands frequently and always before eating, drinking, smoking or using the toilet.
Skin	Wear standard coveralls and Category 3 Type 6 suit. If there is a risk of significant exposure, consider a higher protective type suit. Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and should be professionally laundered frequently.
Respiratory	Respiratory protection is not required under anticipated circumstances of exposure. Respiratory protection should only be used to control residual risk of short duration activities, when all reasonably practicable steps have been taken to reduce exposure at source e.g. containment and/or local extract ventilation. Always follow respirator manufacturer's instructions regarding wearing and maintenance.
General	Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Wash thoroughly and put on clean clothing. Remove and wash contaminated clothing and gloves, including the inside, before re-use. When opening the container, preparing spray and using the prepared spray.

Section 9 Physical and Chemical Properties

Appearance	Liquid
Colour	Off white to cream
Odour	Characteristic
Odour Threshold	No data available
pH	6.5 – 8.5
Boiling/Melting Point	No data available
Freezing Point	No data available
Flash Point	No data available
Flammability	No data available
Upper and Lower Explosive Limits	No data available
Vapour Pressure	No data available
Vapour Density	No data available
Density	No data available
Water Solubility	Suspends in water
Partition Coefficient:	No data available
Ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available
Particle Characteristics	No data available
Surface tension	No data available

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Possibility of hazardous reactions	None known.
Conditions to Avoid	High temperature.
Incompatible Materials	Store only in the original container.
Hazardous Decomposition Products	No decomposition products expected under normal conditions of use.

Section 11 Toxicological Information**Acute Effects (Based on the active ingredient):**

Swallowed	rats > 5000 mg/kg
Dermal	rats > 2000 mg/kg
Inhalation	rats > 5.11 mg/L
Eye	Not an irritant (rabbits)
Skin	Not a sensitizer (guinea pigs)

Chronic Effects:

Carcinogenicity	No data available
Reproductive Toxicity	No data available
Germ Cell Mutagenicity	No data available
Aspiration	No data available
STOT/SE	No data available
STOT/RE	No data available

Section 12. Ecotoxicological Information

Based on the active ingredient:

Ecological effects information	No relevant data found.
Persistence and degradability	Not readily biodegradable (by OECD criteria).
Bioaccumulation	Because of the n-octanol/water distribution coefficient (log Pow) accumulation in organisms is not to be expected.
Mobility in Soil	No data available
Other adverse effects	
Acute fish toxicity:	LC ₅₀ (96 h) sheepshead minnows >0.98 mg/l
Toxicity for daphnia:	LC ₅₀ (48 h) >17 mg/l
Toxicity to algae:	EC ₅₀ (48 h) for eastern oysters >0.44 mg/l; EC ₅₀ (14 d) for <i>Lemna gibba</i> 2.32 mg/l
Precautions:	Do not allow to enter waterways.

Section 13. Disposal Considerations

Disposal Method:

Triple rinse packaging and add residue to spray tank. Take empty container to a local landfill authority. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt. Do not reuse container for any other purpose.

Empty container precautions:

Avoid contamination of any water supply with chemical or empty container.

Precautions or methods to avoid: Avoid release to the environment.

Section 14 Transport Information

ADR/RID/ADN

14.1 UN number	3082
14.2 Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Fluopyram solution)
14.3 Transport hazard class(es)	9
14.4 Packing group	III
14.5 Environm. Hazardous Mark	YES
Hazchem Code	3Z

IMDG

14.1 UN number	3082
14.2 Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Fluopyram solution)
14.3 Transport hazard class(es)	9
14.4 Packing group	III
14.5 Marine pollutant	YES

IATA

14.1 UN number	3082
14.2 Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Fluopyram solution)
14.3 Transport hazard class(es)	9
14.4 Packing group	III
14.5 Environm. Hazardous Mark	YES

14.6 Special precautions for user

See sections 6 to 8 of this Safety Data Sheet.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

No transport in bulk according to the IBC Code.

Section 15 Regulatory Information

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval Code: HSR101553

HSW (HS) Regulations 2017	Trigger Quantity
Certified Handlers	Not required
Location Certificate	Not required
Signage Trigger Quantities (Schedule 3)	100L
Emergency Response Plan (Schedule 5)	100L
Secondary Containment (Schedule 5)	100L
Tracking (Schedule 26)	Not required
For all further controls	Refer to EPA www.epa.govt.nz for controls document – HSR101553
HSNO Additional Controls (Restrictions of use)	
77A- Application method restrictions	This substance must be applied using ground-based methods only.
77A - Application rates - requirements in addition to EPA Notice requirements	The maximum application rate for this substance is 500mL/ha (equivalent to 250 g/ha of fluopyram), with a maximum of two applications per year and a minimum interval of 30 days between applications, except when the substance is used in greenhouses on crops separated from the soil. The maximum application rate for this substance when used in greenhouses on crops separated from the soil is 600 mL/ha (equivalent to 300 g/ha of fluopyram), with a maximum of two applications per year, and a minimum interval between applications of seven days.
ACVM Act and Regulations	
ACVM Approval No See www.foodsafety.govt.nz for registration controls	P10054

Section 16 Other Information

For proper and safe use of this product, please refer to the approval conditions laid down on the product label. The data contained in this safety data sheet is based on our current knowledge and describes the product only with regard to safety requirements. The data does not describe the products properties. Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any existing laws and legislation are observed.

Glossary

EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
HSW	Health and Safety at Work.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.

Product Name: Fluro

Date of SDS: 11th March 2026

TEL Tolerable Exposure Limit.
TLV Threshold Limit Value-an exposure limit set by responsible authority.
UEL Upper Explosive Level
WES Workplace Exposure Limit

The information herein is given in good faith, but no warranty, express or implied is made.

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