

SAFETY DATA SHEET

According to
HSNO Hazardous Substances (Safety Data Sheets) Notice 2017

Section 1. Identification of the material and the supplier

Product: **Ultima 2GR**
 Product Use: Insecticide
 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: 4 December 2024

Section 2. Hazards Identification

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

EPA Approval No: HSR101622

Signal Word: **Warning**

GHS Classification and Category	Hazard Code	Hazard Statement
Hazardous to the aquatic environment chronic Cat. 3	H412	Harmful to aquatic life with long lasting effects.

Prevention Code	Prevention Statement
P273	Avoid release to the environment [if this is not the intended use].

Response code	Response statement
None allocated	

Storage code	Storage statement
None allocated	

Disposal code	Disposal statement
P501	Refer to Section 13.

Section 3. Composition / Information on Hazardous Ingredients

Ingredients	Content (w/v)	CAS NUMBER
Chlorantraniliprole	0.2%	500008-45-7
Other ingredients	To balance	-

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Seek medical assistance if needed.

If on Skin Wash skin with soap and plenty of water for 15-20 minutes. Seek medical assistance if needed.

If Swallowed Rinse mouth. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. Seek medical assistance if needed.

If Inhaled Move person to fresh air. If person is not breathing, call an emergency responder or ambulance, then give artificial respiration; if by mouth to mouth use rescuer protection (pocket mask etc). Call a poison control center or doctor for treatment advice. If breathing is difficult, oxygen should be administered by qualified personnel.

Most important symptoms and effects, both acute and delayed

No symptoms known or expected.

Treatment: No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient. Have the Safety Data Sheet, and if available, the product container or label with you when calling a poison control center or doctor, or going for treatment.

Section 5. Fire Fighting Measures

Hazard Type	Non Flammable
Hazards from combustion products	Under fire conditions some components of this product may decompose. The smoke may contain unidentified toxic and/or irritating compounds. Carbon monoxide, carbon dioxide, hydrogen chloride, halogenated compounds, nitrogen oxides.
Suitable Extinguishing media	Water spray, foam, dry powder, carbon dioxide

Recommended protective clothing & Precautions for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). Avoid contact with this material during fire fighting operations. If contact is likely, change to full chemical resistant fire fighting clothing with self-contained breathing apparatus. If this is not available, wear full chemical resistant clothing with self-contained breathing apparatus and fight fire from a remote location. For protective equipment in post-fire or non-fire clean-up situations, refer to the relevant sections. Keep people away. Isolate fire and deny unnecessary entry. Do not use direct water stream. May spread fire. Contain fire water run-off if possible. Fire water run-off, if not contained, may cause environmental damage. Review the "Accidental Release Measures" and the "Ecological Information" sections of this (M)SDS.
Hazchem Code	None allocated.

Section 6. Accidental Release Measures

Personal precautions:

Isolate area. Keep unnecessary and unprotected personnel from entering the area. Refer to section 7: Handling, for additional precautionary measures. Keep up-wind of spill. Ventilate area of leak or spill. Use appropriate safety equipment. For additional information, refer to Section 8: Exposure Controls and Personal Protection.

Environmental precautions:

Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.

Spill and Disposal procedures:

Contain spilled material if possible. Small spills: Absorb with materials such as: Clay. Dirt. Sand. Sweep up. Collect in suitable and properly labelled containers. See Section 13: Disposal Considerations, for additional information.

Section 7. Handling and Storage

Precautions for Handling:

- Avoid contact with eyes, skin, and clothing.
- Avoid breathing vapor or mist.
- Keep out of reach of children.
- Keep container closed.
- Keep away from: heat, sparks, open flame, and direct sunlight.
- Do not swallow.
- No smoking, open flames, or sources of ignition to be permitted in the handling and storage area.
- Wash thoroughly following handling and before eating, drinking, chewing gum, smoking, or using the toilet.

Precautions for Storage:

- Store in original container tightly closed and in a locked, dry, cool, well-ventilated area away from foodstuffs, fertilisers, seeds, in direct sunlight or near potable water supplies.
- Do not contaminate water.
- Remove all sources of ignition from the storage area.

- Keep away from children or uninformed persons.
- Avoid extreme temperatures.
- Comply with local regulations.
- Refer to the current standard NZS8409 Management of Agrichemicals.

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

Component	CAS No	Value type (form of exposure)	Control parameters	Basis
Chlorantraniliprole	500008-45-7	TWA	5 mg/m ³	Syngenta

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 2023 14TH EDITION.

Engineering Controls / Industrial Hygiene

Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated. The extent of these protection measures depends on the actual risks in use. If airborne dust is generated, use local exhaust ventilation controls. Maintain air concentrations below occupational exposure standards. Where necessary, seek additional occupational hygiene advice.

Personal Protection Equipment

Eyes	No special protective equipment required.
Hands	No special protective equipment required.
Skin	No special protective equipment required. Select skin and body protection based on the physical job requirements.
Respiratory	No personal respiratory protective equipment normally required. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Suitable respiratory equipment: Respirator with particle filter The filter class for the respirator must be suitable for the maximum expected contaminant concentration that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used. Filter type: Particulates type (P)
General	Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. All chemical protective clothing should be visually inspected prior to use. Clothing and gloves should be replaced in case of chemical or physical damage or if contaminated. End users of this product should

	follow label instructions for personal protection when using this product.
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Section 9 Physical and Chemical Properties

Appearance	Granules
Colour	Light brown
Odour	Characteristic odour
Odour Threshold	No data available
pH	5-9
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	No data available
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	Solid – not relevant

Section 10. Stability and Reactivity

Stability of Substance	This product is unlikely to spontaneously decompose. Store in original containers and keep tightly closed.
Possibility of hazardous reactions	No information available.
Conditions to Avoid	Protect from extreme temperatures, direct sunlight, hot surfaces, open flames, and sources of ignition. Active ingredient decomposes at elevated temperatures.
Incompatible Materials	Strong basic, acidic, or oxidising materials. Store only in the original container.
Hazardous Decomposition Products	No information available.

Section 11 Toxicological Information

Acute Effects:

Swallowed	This product is not classified as acutely toxic.
Dermal	This product is not classified as acutely toxic.
Inhalation	This product is not classified as acutely toxic.
Eye	This product is not classified as an eye irritant/corrosive.
Skin	This product is not classified as a skin irritant/corrosive.

Chronic Effects:

Carcinogenicity	This product is not classified as carcinogenic.
Reproductive Toxicity	This product is not classified as toxic for reproduction.
Germ Cell Mutagenicity	This product is not classified as mutagenic.
Aspiration	This product is not classified as Asp Tox.
STOT/SE	This product is not classified as STOT SE.
STOT/RE	This product is not classified as STOT RE.

Section 12. Ecotoxicological Information

Ecological effects information	Harmful to aquatic life with long lasting effects.
Persistence and degradability	No data available
Bioaccumulation	No data available
Mobility in Soil	No data available
Other adverse effects	No data available
Acute fish toxicity:	No data available
Toxicity for daphnia and other aquatic invertebrates:	No data available
Toxicity to algae:	No data available
Precautions:	Do not allow to enter waterways.

Section 13. Disposal Considerations

Disposal Method:

Triple rinse container and add residue to spray tank. Return empty container to an AgRecovery collection point for disposal.



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

This product is not classified as a Dangerous Good for transport in NZ; NZS 5433:2020

Section 15 Regulatory Information

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

EPA Approval Code: **HSR101622**

HSW (HS) Regulations 2017 and EPA Notices	Trigger Quantity
Certified Handler	Not required
Location Certificate	Not required

Product Name: Ultima 2GR
Date of SDS: 4 December 2024

Tracking Trigger Quantities	Not required
Signage Trigger Quantities	1000kg
Emergency Response Plan	1000kg
Secondary Containment	1000kg
Restriction of Use: 77A:	This substance must be applied by ground-based application methods only.
77A: Active ingredient or component specification - impurity limits, purity requirements, isomer ratios and other specifications	<p>Variation: The following limits are set for the chlorantraniliprole component of this substance:</p> <ul style="list-style-type: none"> • Acetonitrile (CAS 75-05-8): maximum \leq 3 g/kg • 3-Picoline (CAS 108-99-6): maximum \leq 3 g/kg • Methanesulfonic acid (CAS 75-75-2): maximum \leq 2 g/kg

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

EC50	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC50	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD50	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2023 14th edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

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Issue Date: 4 December 2024

Review Date: 4 December 2029