

# SAFETY DATA SHEET

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

<b>Section 1. Identification of the material and the supplier</b>
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Product:	<b>Ultima</b>
Other means of identification:	200 g/L Chlorantraniliprole
Chemical Name:	Chlorantraniliprole
Product Use:	Insecticide
Restriction of Use:	Refer to Section 15
New Zealand Supplier:	<b>Adria Crop Protection Solutions</b>
Address:	407 State Highway 16 Kumeu 0841, Auckland
Telephone:	+64 9 412 9817
Fax:	+64 9 412 9807
Website:	www.adria.nz
<b>Emergency No:</b>	<b>0800 734 607 (24hr)3</b> <b>0800 764 766 (National Poison Centre)</b>
Date of SDS Preparation:	8 February 2023

<b>Section 2. Hazards Identification</b>
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This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

**EPA Approval No: HSR101460**

**Pictograms**



Signal Word: **WARNING**

GHS Classification and Category	Hazard Code	Hazard Statement
Hazardous to the aquatic environment acute Cat. 1	H400	Very toxic to aquatic life.
Hazardous to the aquatic environment chronic Cat. 1	H410	Very toxic to aquatic life with long lasting effects.

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read carefully and follow all instructions.
P273	Avoid release to the environment.

Response code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
P391	Collect spillage.

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	<20%	500008-45-7
Propane-1,2-diol	>4.5%	57-55-6
Ethanol, 2,2',2''-nitrioltris-, compd. with $\alpha$ -[2,4,6-tris(1-phenylethyl)phenyl]- $\omega$ -hydroxypoly(oxy-1,2-ethanediyl) phosphate	>0.5%	105362-40-1
Xanthan gum	>0.5%	11138-66-2

### Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician if you feel unwell.
If on Skin.	Wash affected areas with soap and water. If skin irritation occurs: Get medical advice/attention.
If Swallowed	Rinse mouth. DO NOT INDUCE VOMITING. Obtain emergency medical attention. For advice, contact the National Poisons Centre on 0800 POISON (0800 764766) or a doctor immediately.
If Inhaled	Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Apply artificial respiration if not breathing. Get medical advice if breathing becomes difficult.

#### Most important symptoms and effects, both acute and delayed

Symptoms:

<b>Ingestion:</b>	Not applicable.
<b>Inhalation:</b>	Not applicable.
<b>Skin:</b>	Not applicable.
<b>Eye:</b>	not applicable.
<b>Chronic:</b>	Not applicable.

#### Indication of any immediate medical attention and special treatment needed:

Treat according to symptoms (decontamination, vital functions).

If swallowed, in the event of vomiting, minimize the risk of the product entering the lungs.

### Section 5. Fire Fighting Measures

<b>Hazard Type</b>	This product is non-flammable.
<b>Hazards from combustion products</b>	Do data available.
<b>Suitable Extinguishing media</b>	Water spray, carbon dioxide (CO <sub>2</sub> ), foam, dry powder.

Product Name: Ultima  
Date of SDS: 8 February 2023

SDS Prepared by: Technical Compliance Consultants (NZ) Ltd  
Tel: 64 9 475 5240 www.techcomp.co.nz

<b>Recommended protective clothing &amp; Precautions for firefighters</b>	Wear SCBA and chemical-protective clothing. Self-contained breathing apparatus is required in the event of fire. Do not allow the run off from firefighting media to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Addition of water may cause excessive foaming. Vapours may be toxic.
<b>HAZCHEM CODE</b>	<b>3Z</b>

## Section 6. Accidental Release Measures

### Personal precautions:

Use protective clothing which includes eye protection, chemically resistant gloves, boots and overalls. Avoid contact with skin, eyes and clothing. Remove contaminated clothes and shoes immediately. Evacuate personnel from the contaminated area and thoroughly ventilate the area.

### 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. Sweep up or vacuum up spillage and collect in suitable container for disposal. Large spills should be collected mechanically for disposal. Contain in a secure location until disposal method is established. Never return spills in original containers for re-use. Dispose of in accordance with local regulations in Section 13.

## Section 7. Handling and Storage

### Precautions for Handling:

- Read carefully and follow all instructions.
- Avoid skin and eye contact.
- Avoid inhaling the vapour, or spray mist.
- Wash thoroughly after handling.
- Wash clothing after use.

### Precautions for Storage:

- Store away from incompatible materials listed in Section 10.
- Store in the closed, original container in a dry, well ventilated area, as cool as possible out of direct sunlight and under lock and key.
- Keep from contact with fertilisers, fungicides and seeds.
- Keep out of the reach of children.
- Avoid static electricity discharge.
- To avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded.

## Section 8 Exposure Controls / Personal Protection

### WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance		TWA		STEL	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Propane-1,2-diol, Particulates only	[57-55-6]	-	10	-	-

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 APRIL 2022 13TH EDITION.

**Personal Protection Equipment**



<b>Eyes</b>	Chemical goggles/face protection if necessary.
<b>Hands</b>	Suitable chemical resistant safety gloves (e.g. nitrile rubber (.4mm)). Contaminated gloves should be washed. Gloves should be disposed of when contaminated on the inside, perforated or contamination on the outside cannot be removed.
<b>Skin</b>	Body protection (chemical protection suit, boots) must be chosen depending on activity and possible exposure. Decontaminate contaminated clothing, remove and dispose of in accordance with the manufacturer's instructions.
<b>Respiratory</b>	None specified.
<b>General</b>	Keep out of reach of children. Wear protective clothing such as impervious gloves, waterproof hat, coat and trousers when using. Avoid contact with skin or eyes and inhalation of spray mist. Wash hands and exposed skin after use and before meals, using tobacco or using the toilet.

**Section 9 Physical and Chemical Properties**

<b>Appearance</b>	Liquid
<b>Colour</b>	White
<b>Odour</b>	Characteristic
<b>Odour Threshold</b>	Not available
<b>pH</b>	6-8
<b>Boiling Point</b>	Not available
<b>Melting Point</b>	Not available
<b>Freezing Point</b>	Not available
<b>Flash Point</b>	>100°C
<b>Flammability</b>	Not flammable
<b>Upper and Lower Explosive Limits</b>	Not available
<b>Vapour Pressure</b>	Not available
<b>Vapour Density</b>	Not available
<b>Density</b>	Not available
<b>Water Solubility</b>	Suspends in water
<b>Partition Coefficient:</b>	Not available
<b>Ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	Not available
<b>Viscosity</b>	Not available
<b>Particle Characteristics</b>	Not available

**Section 10. Stability and Reactivity**

<b>Stability of Substance</b>	This product is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No data available.
<b>Conditions to Avoid</b>	Temperature extremes and direct sunlight.
<b>Incompatible Materials</b>	Store only in original containers.
<b>Hazardous Decomposition Products</b>	None known.

**Section 11 Toxicological Information****Acute Effects:**

<b>Swallowed</b>	Not applicable. LD50 (rats - female and male) = >5000mg/kg
<b>Dermal</b>	Not applicable. LD50 (rats - female and male) = >5000mg/kg
<b>Inhalation</b>	Not applicable. LC50 (rats - female and male) = >5.1 mg/kg/4h
<b>Eye</b>	Not applicable.
<b>Skin</b>	Not applicable.

**Chronic Effects:**

<b>Carcinogenicity</b>	Not applicable.
<b>Reproductive Toxicity</b>	Not applicable.
<b>Germ Cell Mutagenicity</b>	Not applicable.
<b>Aspiration</b>	Not applicable.
<b>STOT/SE</b>	Not applicable.
<b>STOT/RE</b>	Not applicable.

**Section 12. Ecotoxicological Information**

<b>Ecological effects information</b>	Very toxic to aquatic life with long lasting effects.
<b>Persistence and degradability</b>	Very little degradation was observed in primary and rotational crops. Unchanged parent chlorantraniliprole was the major identified residue.
<b>Bioaccumulation</b>	No specific detailed data available
<b>Mobility in Soil</b>	Degrades in the environment with DT <sub>50</sub> <2-12 mo; shorter half-lives occur with crop cover. Sequestered in soil and so has limited mobility. Degradation is mainly chemical, with a single major degradate which is not active and does not leach. K <sub>oc</sub> 244-464 ml/g (EC DAR).
<b>Other adverse effects</b>	No data available
<b>Toxicity Data:</b>	
<b>Acute fish toxicity [LC50 mg/L] (96 h, flow-through):</b>	LC50 (96 h) for rainbow trout >13.8, bluegill sunfish >15.1, sheepshead minnows >12 mg/l
<b>Toxicity for daphnia [EC50 mg/L] (48 h, flow-through):</b>	EC50 0.0116 mg/l
<b>Toxicity to algae [ErC50 mg/L] (72 h, static):</b>	EC50 for Selenastrum capricornutum >2 mg/l
<b>Toxicity for birds [LD50 mg/kg]</b>	Acute oral LD50 for bobwhite quail >2250 mg/kg. Dietary LC50 (5 d) for bobwhite quail and mallard ducks >5620 mg/kg diet
<b>Toxicity for worms [LC50 mg/kg] (14 d)</b>	LC50 (14 d) for Eisenia fetida >1000 mg/kg soil
<b>Toxicity bees [LD50 µg/bee] (48 h)</b>	>4 (contact), >104 (oral)
<b>Precautions:</b>	Do not allow to enter waterways.

**Section 13. Disposal Considerations****Disposal Method:**

Triple rinse container and add residue to spray tank in accordance with current regulations. Return empty container to an AgRecovery collection point for disposal.

**Empty container precautions:**

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

**Precautions or methods to avoid:** Waste resulting from the use of this product cannot be reused or reprocessed. Never pour untreated waste or surplus products into public sewers or where there is any danger of run-off or seepage into water systems. Do not contaminate rivers, dams or any other water sources with the product or used containers.

## Section 14 Transport Information

This product is classified as a Dangerous Good for transport in NZ ; NZS 5433:2020



### Road, Rail, Sea and Air Transport

<b>UN No</b>	3082
<b>Class - Primary</b>	9
<b>Packing Group</b>	III
<b>Proper Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Chlorantraniliprole)
<b>Marine Pollutant</b>	Yes
<b>Special Provisions</b>	If the product's individual container is below 5L/kg, it can be transported as a non-DG as long as the product packaging is still labelled as per DG requirements and the driver is given safety information in accordance with Chapter 3.4 of the UNRTDG.

## Section 15 Regulatory Information

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

EPA Approval Code: **HSR101460**

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 <a href="http://www.epa.govt.nz">www.epa.govt.nz</a> for controls document - <b>HSR101460</b>
ACVM Act and Regulations	
ACVM Approval No See <a href="http://www.foodsafety.govt.nz">www.foodsafety.govt.nz</a> for registration controls	P9893

## 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<sub>50</sub>

Median effective concentration.

EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC <sub>50</sub>	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD <sub>50</sub>	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 April 2022 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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Please contact Adria, if further information is required.

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