

SAFETY DATA SHEET

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

Section 1. Identification of the material and the supplier

Product: **Syntium 100SE**
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: 8th January, 2025

Section 2. Hazards Identification

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

EPA Approval No: HSR101594

Pictograms



Signal Word: **Warning**

GHS Classification and Category	Hazard Code	Hazard Statement
Skin sensitisation Cat. 1	H317	May cause an allergic skin reaction.
Specific target organ toxicity – repeated exposure Cat. 2	H373	May cause damage to organs through prolonged or repeated exposure.
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.
Hazardous to terrestrial invertebrates.	H441	Hazardous to terrestrial invertebrates

Prevention Code	Prevention Statement
P103	Read carefully and follow all instructions.
P260	Do not breathe fumes, vapours or spray.

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P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective clothing as detailed in SDS Section 8.

Response code	Response statement
P101	If medical advice is needed, have product container or label at hand.
P314	Get medical advice/attention if you feel unwell.
P391	Collect spillage.
P302 + P352	IF ON SKIN: Wash with plenty of water.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash before reuse.

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
Cyantraniliprole	≥ 10.3 %	736994-63-1
Other 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 centre or doctor, or going for treatment.

Routes of Exposure:

- If in Eyes Rinse out eyes for several minutes. Consult a physician if necessary.
- If on Skin Take off all contaminated clothing immediately. Rinse skin immediately with plenty of water for 15-20 minutes. If skin irritation or rash occurs: Get medical advice/attention.
- If Swallowed Rinse mouth with water. Do not give anyone unconscious anything to the mouth. Consult a physician if necessary.
- If Inhaled Remove to fresh air. Consult a physician if necessary.

Most important symptoms and effects, both acute and delayed

- Swallowed: Not applicable
- Inhalation: Not applicable
- Skin: May cause an allergic skin reaction
- Eyes: Not applicable
- Chronic: May cause damage to organs through prolonged or repeated exposure.

Treatment: Treat symptomatically.

Section 5. Fire Fighting Measures

Hazards from combustion products	Under fire conditions some components of this product may decompose. The smoke may contain unidentified toxic and/or irritating compounds.
Suitable Extinguishing media	Water spray, Foam, Dry chemical, Carbon dioxide (CO ₂)
Recommended protective clothing & Precautions for firefighters	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment. Prevent fire extinguishing water from contaminating surface water or the ground water system. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. (on small fires) If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated. Cool containers/tanks with water spray.

Section 6. Accidental Release Measures

Personal precautions:

Evacuate personnel, thoroughly ventilate area, use self-contained breathing apparatus. Use personal protective equipment. Avoid contact with skin.

Environmental precautions:

Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12: Ecological Information.

Spill and Disposal procedures:

Soak up with sawdust, sand, oil dry or other absorbent material. Dispose of in an approved container. If liquid has been spilt in large quantities clean up promptly by scoop or vacuum. See Section 13: Disposal Considerations, for additional information.

Section 7. Handling and Storage

Precautions for Handling:

- Avoid contact with eyes, skin, and clothing.
- Read carefully and follow all instructions.
- Do not breathe fumes, vapours or spray.
- Contaminated work clothing should not be allowed out of the workplace.
- Avoid release to the environment.
- Wear protective clothing as detailed in SDS Section 8.
- 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

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

No ingredients have exposure limits

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	None specified
Hands	When mixing or applying wear protective gloves.
Skin	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
Respiratory	Where there is potential for airborne exposures in excess of applicable limits, wear approved respiratory protection with dust/mist cartridge.
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.

Section 9 Physical and Chemical Properties

Appearance	Liquid
Colour	Off-white liquid
Odour	Characteristic odour
Odour Threshold	No data available
pH	5.0 – 8.0
Boiling/Melting Point	No data available
Freezing Point	No data available

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Flash Point	No data available
Flammability	Not flammable
Upper and Lower Explosive Limits	No data available
Vapour Pressure	No data available
Vapour Density	No data available
Density	No data available
Water Solubility	Emulsifiable
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 unlikely to spontaneously decompose. Store in original containers and keep tightly closed. Store between -5 °C and 25 °C.
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	Causes an allergic skin reaction.

Chronic Effects:

Carcinogenicity	Not classified as carcinogenic
Reproductive Toxicity	Not classified as toxicity to reproduction
Germ Cell Mutagenicity	Not classified as mutagenic
Aspiration	Not classified as an aspiration hazard
STOT/SE	Not classified as STOT SE.
STOT/RE	May cause damage to organs through prolonged or repeated exposure.

Section 12. Ecotoxicological Information

Ecological effects information	Very toxic to aquatic life with long lasting effects. Hazardous to terrestrial invertebrates
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 classified as a Dangerous Good for transport in NZ; NZS 5433:2020



Road, Rail, Sea and Air Transport

UN number	3082
Class - Primary	9
Packing group	III
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Cyantraniliprole)
Marine pollutant	Yes

Section 15 Regulatory Information

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

EPA Approval Code: HSR101594

HSW (HS) Regulations 2017 and EPA Notices	Trigger Quantity
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	100L
Emergency Response Plan	100L
Secondary Containment	100L

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Restriction of Use: 77A – Application method restrictions	<ul style="list-style-type: none"> • This substance must be applied using ground-based application methods and helicopter-boom application methods only. • The substance must be applied with medium droplets, at a minimum, as defined by the American Society of Agricultural and Biological Engineers ASABE Standard (S572) or the British Crop Production Council guideline. • The substance must not be applied when wind speeds are less than 3 km/h, or more than 20 km/h as measured at the application site.
ACVM Approval: See www.foodsafety.govt.nz for registration conditions.	P010267

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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