

# SAFETY DATA SHEET

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

## Section 1. Identification of the material and the supplier

Product: **EroMite**  
 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: 21 March 2023

## Section 2. Hazards Identification

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

**EPA Approval No: HSR101214**

### Pictograms



Signal Word: **DANGER**

| GHS Classification and Category                           | Hazard Code | Hazard Statement  |
|---|-------------|---|
| Specific target organ toxicity - repeated exposure Cat. 1 | H372        | Causes 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.           |

| Prevention Code | Prevention Statement                        |
|-----------------|---|
| P102            | Keep out of reach of children.              |
| P103            | Read carefully and follow all instructions. |
| P260            | Do not breathe fumes, vapours or spray.     |
| P264            | Wash hands thoroughly after handling.       |

|      |   |
|------|---|
| P270 | Do not eat, drink or smoke when using this product. |
| P273 | Avoid release to the environment.                   |

| 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.   |
| P332 + P313   | If skin irritation occurs: Get medical advice/ attention.             |

| 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. |
|---------------|----------------|-------------|
| Etoxazole     | 11%            | 153233-91-1 |
| Not hazardous | To bal         |             |

### Section 4. First Aid Measures

Routes of Exposure:

|              |   |
|--------------|---|
| If in Eyes   | Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.  |
| If on Skin   | Immediately flush body and clothes with large amounts of water. Remove contaminated clothing and footwear. Wash affected areas with soap and water. Seek medical attention.   |
| If Swallowed | Do NOT induce vomiting if swallowed. Seek medical attention immediately. For advice, contact the National Poisons Centre on 0800 POISON (0800 764766).  |
| 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>       | Causes mild skin irritation.                                    |
| <b>Eye:</b>        | Not applicable  |
| <b>Chronic:</b>    | Causes damage to organs through repeated or prolonged exposure. |

**Treatment:** Treat according to symptoms (decontamination, vital functions). No known specific antidote.

### Section 5. Fire Fighting Measures

|   |   |
|---|---|
| <b>Hazard Type</b>                      | This product is non-flammable.  |
| <b>Hazards from combustion products</b> | During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.     |
| <b>Suitable Extinguishing media</b>     | Extinguish warehouse and factory fires using dry chemical extinguisher, alcohol-resistant foam, carbon dioxide. |

|   |   |
|---|---|
| <b>Recommended protective clothing &amp; Precautions for firefighters</b> | Wear SCBA and chemical-protective clothing. |
| <b>HAZCHEM CODE</b>   | <b>3Z</b>                                   |

## Section 6. Accidental Release Measures

### Personal precautions:

Use protective clothing as per Section 8. Avoid contact with skin, eyes and clothing. Remove contaminated clothes and shoes immediately. Wash contaminated clothing before re-use.

### Environmental precautions:

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

### Spill and Disposal procedures:

Absorb spills with inert material and place in waste containers. Wash area with water and absorb with further inert material. Dispose of waste safely, according to Local Council regulations.

## Section 7. Handling and Storage

### Precautions for Handling:

- Keep out of reach of children.
- Read carefully and follow all instructions.
- Do not breathe fumes, vapours or spray.
- Ensure adequate ventilation.
- Cleaning water should be disposed of in appropriate manner.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Avoid release to the environment.

### Precautions for Storage:

- Store away from incompatible materials listed in Section 10.
- Store in original container tightly closed, locked, cool, dry, ventilated area away from foodstuffs, fertilisers and seeds.
- Protect from extreme temperatures.
- Keep out of reach of children.
- Refer to the current standard NZS8409 Management of Agrichemicals.

## 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> |

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 APRIL 2022 13TH EDITION.

### Engineering Controls / Industrial Hygiene

Ensure there is sufficient ventilation of the area.

## Personal Protection Equipment



|                    |   |
|--------------------|---|
| <b>Eyes</b>        | Safety goggles with side-shields.   |
| <b>Hands</b>       | Wear suitable gloves resistant to chemical penetration e.g. nitrile rubber gloves with a minimum thickness of 0.4 mm.   |
| <b>Skin</b>        | Body protection (chemical protection suit, boots) must be chosen depending on activity and possible exposure.   |
| <b>Respiratory</b> | Wear respiratory protection if ventilation is inadequate. Particle filter with medium efficiency for solid and liquid particles.  |
| <b>General</b>     | Avoid contact with skin and eyes and inhalation of dust from concentrate or spray mist. When mixing or applying, wear protective clothing, including face shield, impervious gloves and footwear. If clothing is contaminated with product, remove clothing immediately. 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. |

### Section 9 Physical and Chemical Properties

|   |                                 |
|---|---------------------------------|
| <b>Appearance</b>                       | Liquid, SC                      |
| <b>Colour</b>                           | Off white to cream white liquid |
| <b>Odour</b>                            | Characteristic odour            |
| <b>Odour Threshold</b>                  | Not available                   |
| <b>pH</b>                               | 8.2                             |
| <b>Boiling Point</b>                    | Not available                   |
| <b>Melting Point</b>                    | Not available                   |
| <b>Freezing Point</b>                   | Not available                   |
| <b>Flash Point</b>                      | Not available                   |
| <b>Flammability</b>                     | Not available                   |
| <b>Upper and Lower Explosive Limits</b> | Not available                   |
| <b>Vapour Pressure</b>                  | Not available                   |
| <b>Vapour Density</b>                   | Not available                   |
| <b>Density</b>                          | 1.05 g/kg                       |
| <b>Water Solubility</b>                 | Not available                   |
| <b>Partition Coefficient:</b>           | Not available                   |
| <b>Ignition Temperature</b>             | 457°C                           |
| <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> | None known.   |
| <b>Conditions to Avoid</b>                | Heat and light.   |
| <b>Incompatible Materials</b>             | Strong bases, acids and oxidising agents.   |
| <b>Hazardous Decomposition Products</b>   | During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion. |

### Section 11 Toxicological Information

#### Acute Effects:

|                   |                 |
|-------------------|-----------------|
| <b>Swallowed</b>  | Not applicable. |
| <b>Dermal</b>     | Not applicable. |
| <b>Inhalation</b> | Not applicable. |

|             |                 |
|-------------|-----------------|
| <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>                | Causes damage to organs through prolonged or repeated exposure. |

**Acute Toxicity -**

| <b>Chemical Name</b>      | <b>LD50 (Oral)</b> | <b>LD50 (Dermal)</b> | <b>LC50 (inhalation)</b> |
|---------------------------|--------------------|----------------------|--------------------------|
| Etoazole<br>(153233-91-1) | >5000mg/kg (Rats), | >2000mg/kg (Rats)    | >1.09 (Rats)             |

**Section 12. Ecotoxicological Information**

|                                       |   |
|---------------------------------------|---|
| <b>Ecological effects information</b> | Very toxic to aquatic life with long lasting effects.   |
| <b>Persistence and degradability</b>  | No data available   |
| <b>Bioaccumulation</b>                | No data available   |
| <b>Mobility in Soil</b>               | No data available   |
| <b>Other adverse effects</b>          | No data available   |
| <b>Acute fish toxicity:</b>           | LC50 for bluegill sunfish 1.4 mg/l (EU Rev. Rep.). LC50 (96 h) for Japanese carp 0.89 mg/l; (48 h) for Japanese carp >20, rainbow trout >40 ppm |
| <b>Toxicity for daphnia:</b>          | LC50 (48 h) >0.0071 ppm   |
| <b>Toxicity to algae:</b>             | EC50 for Selenastrum capricornutum >1.0 mg/l  |
| <b>Toxicity to worms:</b>             | NOEL (14 d) for Eisenia foetida >1000 ppm   |
| <b>Toxicity to bees:</b>              | >200µg (oral and contact) – non-toxic.  |
| <b>Precautions:</b>                   | 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.

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>                  | <b>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Etoxazole Solution)</b>  |
| <b>Marine Pollutant</b>                      | Yes  |
| <b>Special Provisions-Limited Quantities</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: HSR101214

| <b>HSW (HS) Regulations 2017</b>                      | <b>Trigger Quantity</b>   |
|---|---|
| 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 - HSR101214   |
| <b>HSNO Additional Controls (Restrictions of use)</b> |   |
| 77A   | <p>a). This substance must not be applied onto or into water. Means water in all its physical forms, whether flowing or not, and whether over or under ground, but does not include water in any form while in a pipe, tank or cistern or water used in the dilution of the substance prior to application.</p> <p>b). This substance must be applied by ground-based methods only. Ground-based methods of applying pesticides include, but are not limited to, application by ground boom, airblast or knapsack, and do not include aerial application methods.</p> |
|   | The maximum application rate of this substance is 1.05 L/ha (115.5 g etoxazole/ha), with a maximum application frequency of one application per calendar year. This application rate is based on the concentration of pure etoxazole in this substance, previous decisions have based this calculation on the concentration of technical grade etoxazole  |

**ACVM Act and Regulations**

ACVM Approval No  
See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for  
registration controls

P9431

**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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