

SAFETY DATA SHEET

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

Section 1. Identification of the material and the supplier

Product: **Evito**
 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: 22 August 2018

Section 2. Hazards Identification

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

EPA Approval No: HSR100490

Pictograms



Signal Word: **Warning**

| HSNO Classification | Hazard Code | Hazard Statement | GHS Category |
|---------------------|-------------|--|-----------------|
| 6.1E (oral) | H303 | May be harmful if swallowed. | Acute Tox. 5 |
| 6.1E (inh) | H333 | May be harmful if inhaled. | Acute Tox. 5 |
| 6.3B | H316 | Causes mild skin irritation. | Skin Irrit. 3 |
| 6.4A | H319 | Causes serious eye irritation. | Eye Irrit. 2A |
| 6.5B | H317 | May cause an allergic skin reaction. | Skin Sens. 1 |
| 6.9B | H373 | May cause damage to organs through prolonged or repeated exposure. | STOT RE 2 |
| 9.1A | H400 | Very toxic to aquatic life. | Aquatic Acute 1 |

| Prevention Code | Prevention Statement |
|-----------------|--|
| P102 | Keep out of reach of children. |
| P103 | Read label before use. |
| P260 | Do not breathe fumes, vapours or spray. |
| P264 | Wash hands thoroughly after handling. |
| 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 Section 8. |

| Response code | Response Statement |
|------------------|--|
| P101 | If medical advice is needed, have product container or label at hand. |
| P312 | Call a POISON CENTER or doctor/physician if you feel unwell. |
| P363 | Wash contaminated clothing before reuse. |
| P391 | Collect spillage. |
| P302 + P352 | IF ON SKIN: Wash with plenty of soap and water. |
| P304 + P312 | IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell. |
| P305 + P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P333 + P313 | If skin irritation or rash occurs: Get medical advice/attention. |
| P337 + P313 | If eye irritation persists: 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. |
|---------------|----------------|-------------|
| Bupirimate | 25% | 041483-43-6 |
| Not hazardous | To bal | |

Section 4. First Aid Measures

Routes of Exposure:

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|--------------|---|
| If in Eyes | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. 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 and wash before reuse. Wash affected areas with soap and water. If skin irritation or rash occurs: Get medical advice/attention. |
| If Swallowed | Do NOT induce vomiting if swallowed. May be harmful. A glass of water may be given. For advice, contact the National Poisons Centre on 0800 POISON (0800 764766) or seek medical attention 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:

Ingestion: May be harmful if swallowed.

Inhalation: May be harmful if inhaled.

| | |
|-------------------|---|
| Skin: | Causes mild skin irritation. May cause an allergic skin reaction. |
| Eye: | Causes serious eye irritation. |
| Chronic: | May cause damage to organs through prolonged or repeated exposure. |
| Treatment: | Treat according to symptoms (decontamination, vital functions). No known specific antidote. |

Section 5. Fire Fighting Measures

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|---|---|
| Hazard Type | This product is non-flammable. |
| Hazards from combustion products | Thermal decomposition generates: carbon dioxide, carbon monoxide, nitrogen oxide, sulfur oxide, sulfides. |
| Suitable Extinguishing media | Dry chemical, carbon dioxide water spray, alcohol resistant foam. |
| Recommended protective clothing & Precautions for firefighters | Wear SCBA and chemical-protective clothing. |
| HAZCHEM CODE | 3Z |

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 label before use.
- Do not breathe fumes, vapours or spray.
- Wash hands thoroughly after handling.
- Contaminated work clothing should not be allowed out of the workplace.
- Avoid release to the environment.
- Wear protective clothing as detailed in Section 8.
- Avoid skin and eye contact and inhalation of spray mist or fumes.
- Ensure adequate ventilation.
- Cleaning water should be disposed of in appropriate manner.

Precautions for Storage:

- Store away from incompatible materials listed in Section 10.
- Store in the original, unopened container in a cool, dry place, out of direct sunlight and away from stockfeed or foodstuffs.
- As a Class 9 Substance with Ecotoxicity Classifications, storage of Evito must be carried out in such a manner as to prevent contamination of waterways. Stores containing more than 100L of Evito require bunding and are subject to signage. Storage must generally be in accordance with The New Zealand Standard for the Management of Agrichemicals (NZS8409).

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

| Substance | TWA | STEL |
|-----------|-----------------------|-----------------------|
| | ppm mg/m ³ | ppm mg/m ³ |

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 2017 9TH EDITION.

Engineering Controls / Industrial Hygiene

Ensure there is sufficient ventilation of the area.

Personal Protection Equipment

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|--------------------|---|
| Eyes | Safety goggles with side-shields. |
| Hands | Wear suitable gloves resistant to chemical penetration e.g. nitrile rubber gloves with a minimum thickness of 0.4 mm. |
| Skin | Body protection (chemical protection suit, boots) must be chosen depending on activity and possible exposure. |
| Respiratory | Wear respiratory protection if ventilation is inadequate. Particle filter with medium efficiency for solid and liquid particles. |
| General | Keep away from food, drink and animal feedstuffs. No eating, drinking or smoking during use and wash hands and face before breaks and after work. |

Section 9**Physical and Chemical Properties**

| | |
|---|----------------------|
| Appearance | Liquid |
| Colour | Cream-coloured |
| Odour | Characteristic odour |
| Odour Threshold | Not available |
| pH | 6.5 – 7.5 |
| Boiling Point | Not available |
| Melting Point | >50°C (pure) |
| Freezing Point | Not available |
| Flash Point | Not available |
| Flammability | Not flammable |
| Upper and Lower Explosive Limits | Not available |
| Vapour Pressure | Not available |
| Vapour Density | Not available |
| Density | 1020 - 1100 g/L |
| Water Solubility | Not available |
| Partition Coefficient: | Not available |
| Ignition Temperature | Not available |
| Decomposition Temperature | Not available |
| Viscosity | Not available |
| Particle Characteristics | Not 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 | Temperature extremes. |
| Incompatible Materials | None known. |
| Hazardous Decomposition Products | Thermal decomposition generates: carbon monoxide, carbon dioxide, nitrogen oxides, sulphur oxide, sulfides. |

Section 11 Toxicological Information**Acute Effects:**

| | |
|-------------------|---|
| Swallowed | May be harmful if swallowed. |
| Dermal | Not applicable. |
| Inhalation | May be harmful if inhaled. |
| Eye | Causes serious eye irritation. |
| Skin | Causes mild skin irritation. May cause an allergic skin reaction. |

Chronic Effects:

| | |
|-------------------------------|---|
| Carcinogenicity | Not applicable. |
| Reproductive Toxicity | Not applicable. |
| Germ Cell Mutagenicity | Not applicable. |
| Aspiration | Not applicable. |
| STOT/SE | Not applicable. |
| STOT/RE | May cause damage to organs through prolonged or repeated exposure |

Acute Toxicity -

| Chemical Name | LD50 (Oral) | LD50 (Dermal) | LC50 (inhalation) |
|-----------------------------|--|----------------------|--|
| Bupirimate (041483-43-6) | >4000mg/kg (Rats, mice, rabbits and guinea pigs) | >4500mg/kg (Rats) | No effect on rats exposed for 4 h to 0.035 mg respirable particles/l air |

Section 12. Ecotoxicological Information

| | |
|---------------------------------------|--|
| Ecological effects information | 9.1A = Very toxic to aquatic life. |
| 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: | LC50 (96 h) for rainbow trout: 1.4 mg/l. |
| Toxicity for daphnia: | LC50 (48 h): 7.3 mg/l. |
| Toxicity to algae: | 4.9mg/L |
| 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.

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|-------------------|------------------------------|
| Section 14 | Transport Information |
|-------------------|------------------------------|

This product is classified as a Dangerous Good for transport in NZ; NZS 5433:2012

**Road, Rail, Sea and Air Transport**

| | |
|--|--|
| UN No | 3082 |
| Class - Primary | 9 |
| Packing Group | III |
| Proper Shipping Name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bupirimate solution) |
| Marine Pollutant | Yes |
| Special Provisions-Limited Quantities | 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 2017

EPA Approval Code: HSR100490

HSNO Classification: 6.1E (oral, Inh), 6.3B, 6.4A, 6.5B, 6.9B, 9.1A

| HSW (HS) Regulations 2017 | Trigger Quantity |
|---|---|
| Certified Handlers | Not required |
| Location Certificate | Not required |
| Signage Trigger Quantities (Schedule 3) | 100L (9.1A) |
| Emergency Response Plan (Schedule 5) | 100L (9.1A) |
| Secondary Containment (Schedule 5) | 100L (9.1A) |
| Tracking (Schedule 26) | Not required |
| For all further controls | Refer to EPA www.epa.govt.nz for controls document - HSR100490 |
| HSNO Additional Controls (Restrictions of use) | |
| 77A | a). The maximum application rate for this substance shall be 1 L/ha, with a maximum application frequency of 3 times per season. b). The substance must not be applied onto or into water. c). This substance shall be applied via ground-based application methods only. |

| Hazardous Property Controls Notice 2017 | |
|--|--|
| HPC Notice Part 4 Clause 47 | Equipment for class 9 substances must be appropriate |
| HPC Notice Part 4 Clause 48 | Records of application of class 9 pesticides and plant growth regulators |
| HPC Notice Part 4 Subpart A | Site and storage controls for class 9 substances |
| HPC Notice Part 4 Subpart C | Qualifications required for application of class 9 pesticides. |
| ACVM Act and Regulations | |
| ACVM Approval No See www.foodsafety.govt.nz for registration controls | P8300 |

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. |
| EPA | Environmental Protection Authority |
| HSNO | Hazardous Substances and New Organisms. |
| 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. |
| 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 2017 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

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Please contact Adria, if further information is required.

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22 August 2018

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