

SAFETY DATA SHEET

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

Section 1. Identification of the material and the supplier

Product: **CONDOR**
 Product Use: Fungicide
 Restriction of Use: Refer to Section 15

New Zealand Supplier: **Agrisource 2000 Ltd**
 Address: 45 Kitchener Road
 Pukekohe, Auckland

Telephone: +64 9 237 0422
Emergency No: 0800 764 766 (National Poison Centre)

Date of SDS Preparation: 24 November 2022 v2

Section 2. Hazards Identification

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

EPA Approval No: HSR101041

Pictograms



Irritant



Chronic



Ecotoxic

Signal Word: **DANGER**

| GHS Classification and Category | Hazard Code | Hazard Statement |
|---|-------------|---|
| Flammable Liquids Cat. 4 | H227 | Combustible liquid. |
| Eye irritation Cat. 2 | H319 | Causes serious eye irritation. |
| Skin sensitisation Cat. 1 | H317 | May cause an allergic skin reaction. |
| Reproductive toxicity Cat. 1 | H360 | May damage fertility or the unborn child. |
| Hazardous to the aquatic environment acute/chronic Cat. 1 | H400/H410 | Very toxic to aquatic life with long lasting effects. |
| Hazardous to soil organisms | H423 | Hazardous to soil organisms |
| Hazardous to terrestrial vertebrates | H433 | Hazardous to terrestrial vertebrates |

| Prevention Code | Prevention Statement |
|-----------------|---|
| P102 | Keep out of reach of children. |
| P103 | Read label before use. |
| P201 | Obtain special instructions before use. |

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| P202 | Do not handle until all safety precautions have been read and understood. |
| P210 | Keep away from heat, sparks, open flames or hot surfaces. No smoking. |
| P261 | Avoid breathing 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. |
| P281 | Use personal protective equipment as required. |

| Response Code | Response Statement |
|------------------|--|
| P101 | If medical advice is needed, have product container or label at hand. |
| P363 | Wash contaminated clothing before reuse. |
| P391 | Collect spillage. |
| P302 + P352 | IF ON SKIN: Wash with plenty of soap and water. |
| P305 + P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P308 + P313 | IF exposed or concerned: Get medical advice/ attention. |
| P333 + P313 | If skin irritation or rash occurs: Get medical advice/attention. |
| P337 + P313 | If eye irritation persists: Get medical advice/attention. |
| P370 + P378 | In case of fire: Use dry chemical, water spray or carbon dioxide for extinction. |

| Storage Code | Storage Statement |
|--------------|--|
| P403 + P235 | Store in a well-ventilated place. Keep cool. |
| P405 | Store locked up. |

| Disposal Code | Disposal Statement |
|---------------|--|
| P501 | Dispose of according to Local Regulations or Authorities |

Section 3. Composition / Information on Hazardous Ingredients

| Ingredients | Wt% | CAS NUMBER. |
|-----------------------------------|---------|-------------|
| Propiconazole | 250 g/L | 60207-90-1 |
| Diethylene glycol monoethyl ether | <750g/L | 111-90-0 |
| Other ingredients | bal | |

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.

If on Skin In case of skin contact, immediately flush skin with plenty of water and soap. Remove contaminated clothing. If skin irritation occurs: Get medical advice/ attention.

If Swallowed Do not induce vomiting. Wash out mouth thoroughly with water. Never give anything to the mouth of an unconscious person. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs. Seek medical attention if needed.

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:

Swallowed: Not applicable.
 Skin: May cause an allergic skin reaction.
 Eyes: Causes serious eye irritation.
 Chronic: May damage fertility or the unborn child.

Advice to Physician: Treat Symptomatically

Section 5. Fire Fighting Measures

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| Hazard Type | Combustible Liquid |
| Hazards from combustion products | Vapours may be toxic. |
| Suitable Extinguishing media | Dry chemical, water spray or carbon dioxide. |
| Precautions for firefighters and special protective clothing | Vapours may be toxic. Self-contained breathing apparatus required. Do not allow contaminated runoff to enter drains. |
| HAZCHEM CODE | 3Z |

Section 6. Accidental Release Measures

Wear protective clothing as detailed in Section 8. Clear area of unprotected personnel.

Do NOT allow spilled product or wash solution to enter sewers, drains, dams, creeks or any other waterways. If enters waterways notify authorities.

Contain and absorb liquid spills with inert material and place in waste containers. Collect in an appropriate sealable container for disposal in an approved landfill. Dispose of contained wastes in accordance with the requirements of Local Authorities as detailed in Section 13.

Section 7. Handling and Storage

Precautions for Handling:

- Read label before use.
- Keep away from heat, sparks, open flames or hot surfaces. No smoking.
- Do not breathe fumes, vapours or spray.
- Read label before use.
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.

- Keep away from heat, sparks, open flames or hot surfaces. No smoking.
- Avoid breathing 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.
- Use personal protective equipment as required.
- Avoid skin and eye contact and inhalation of spray mist.
- Use good personal hygiene.
- Do not consume or store food in the work area.
- Wash hands and exposed skin before eating, drinking or smoking and after work.

Precautions for Storage:

- Store away from incompatible materials listed in Section 10.
- Keep out of reach of children.
- Store locked up.
- Store in a cool, dry, well-ventilated place in the original container.
- Protect from excessive heat and cold.
- Do not store near food, drink, animal feeding stuffs, pharmaceuticals, cosmetics or fertilisers.

Section 8 Exposure Controls / Personal Protection

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 APRIL 2022 13TH EDITION.

Engineering Controls

General (mechanical) room ventilation is considered satisfactory.

Personal Protection Equipment



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| Eyes | Chemical goggles or face shield where splash may occur. |
| Hands | PVC-coated gloves. Avoid skin contact. |
| Respiratory | Transfer or mix with adequate ventilation. |
| General | If skin contact or contamination of clothing is likely, protective clothing should be worn. Change to clean clothing if contaminated. |

Section 9 Physical and Chemical Properties

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|-------------------|-----------------|
| Appearance | Liquid |
| Colour | Yellow to brown |
| Odour | No odour |

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| Odour Threshold | Not available |
| pH | 4.0 – 8.0 |
| Boiling Point | Not available |
| Melting Point | Not available |
| Freezing Point | Not available |
| Flash Point | 91°C |
| Flammability | Combustible |
| Upper and Lower Explosive Limits | Not available |
| Vapour Pressure | Not available |
| Vapour Density | Not available |
| Specific Gravity or density | Not available |
| Solubility | Not available |
| Partition Coefficient: | Not available |
| Auto-ignition Temperature | Not available |
| Decomposition Temperature | Not available |
| Kinematic Viscosity | Not available |
| Octanol/Water Particle Coefficient | Not available |
| Oxidising | Not oxidising |

Section 10. Stability and Reactivity

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| Stability of Substance | Relatively stable in neutral, weakly acidic and weakly alkaline media. |
| Storage Stability | Stable under normal storage conditions in original container for at least two years. |
| Possibility of hazardous reactions | None expected. |
| Conditions to Avoid | Extreme heat or cold. |
| Incompatible Materials | Compatible with most fungicide formulations except very strong acid/alkaline formulations. |
| Hazardous Decomposition Products | None known. |

Section 11 Toxicological Information

Acute Effects:

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| Swallowed | Not applicable. LD50 (rat) >3000 mg/kg |
| Dermal | Not applicable. LD50 (rabbit) >4000 mg/kg |
| Inhalation | Not applicable. LC50 (rat) >1000 mg/m ³ (4 hours) |
| Eye | Causes severe eye irritation. |
| Skin | May cause an allergic skin reaction. |

Chronic Effects:

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|------------------------------|---|
| Carcinogenicity | Not applicable. |
| Reproductive Toxicity | May damage fertility or the unborn child. |
| Germ Cell | Not applicable. |

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|---------------------|-----------------|
| Mutagenicity | |
| Aspiration | Not applicable. |
| STOT/SE | Not applicable. |
| STOT/RE | Not applicable. |

Section 12. Ecotoxicological Information

Very toxic to aquatic life with long lasting effects.
 Hazardous to soil organisms
 Hazardous to terrestrial vertebrates

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|--------------------------------------|---|
| Product: Fish Toxicity | LC50 (96 hr): 22-40mg/l (rainbow trout). |
| Persistence and degradability | No data available |
| Bioaccumulation | No data available |
| Mobility in Soil | Propiconazole has low to medium mobility in soil. |
| Other adverse effects | Propiconazole is stable in water. Propiconazole is not persistent in soil, DT50 aerobic soil 40-70days (20°C) |

Acute Toxicity - Fish

LC50 = 5.3 mg/L (Rainbow trout); 96 h
 LC50 = 6.8 mg/L (Common carp); 96 h

Acute Toxicity - Algae

ErC50 = 17.0 mg/L (Selenastrum capricornutum (green algae)); 72 h - static conditions

Acute Toxicity - Bird

LD50 = >2510 mg/kg (mallard ducks)
 LD50 = 2825 mg/kg (bobwhite quail)

Other information

LD50 >100 ug/bee (oral and contact)

Do not allow to enter waterways.

Section 13. Disposal Considerations

Disposal Method:

Triple rinse container and add rinsate to spray tank. Dispose of cleaned container at your local AGRECOVERY container collection site.



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

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|-----------------------------|---|
| UN No | 3082 |
| Class - Primary | 9 |
| Packing Group | III |
| Proper Shipping Name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S (Propiconazole) |
| Marine Pollutant | Yes |
| Special Provisions | If the product's individual container is below 5L, 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: HSR101041

| HSW (HS) Regulations 2017 | Trigger Quantity |
|---|--|
| Signage Trigger Quantities (Schedule 3) | 100L |
| Emergency Response Plan (Schedule 5) | 100L |
| Secondary Containment (Schedule 5) | 100L |
| Tracking (Schedule 26) | Not required |
| Certified Handlers | Not required |
| HSNO Additional Controls (Restrictions of use) | |
| 77A - Maximum application rates | <p>The person in charge of the application of this substance, and any person applying the substance, must ensure that the application is carried out in accordance with the following restrictions:</p> <p>When applied using wide-dispersive application methods:</p> <ul style="list-style-type: none"> · The substance must not be applied at rates exceeding 500 mL of formulated product/ha per application (equivalent to 125 g propiconazole/ha); and · the substance must not be applied to the same area more than three times in any 365 day period. <p>When applied as a seed treatment:</p> <p>the substance must not be applied at rates exceeding 60 mL of formulated product per 100 kg of seed treated</p> |

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| | (equivalent to 15 g propiconazole per 100 kg seed) |
| 77A | The substance must not be applied onto or into water. |
| 77A - A restriction has been placed on the use of the substance. | <p>Variation: The following restrictions are placed on the use of this substance:</p> <ul style="list-style-type: none"> * When used as a seed treatment, this substance must be applied in a purpose-built seed coating machine, in a treatment plant with local exhaust ventilation. Material treated with this substance must not be used for human or animal consumption. Material treated with this substance must be completely covered by soil when sown. * Excess treated seed must not be left in areas accessible to birds. Personal protection equipment must be used when handling material treated with this substance. *Material treated with this substance must be disposed of in accordance with the disposal requirements for toxic and ecotoxic substances as specified in the Hazardous Substances (Disposal) Regulations 2001. *At the time of treatment the material must be dyed so as to differentiate it from untreated material. *Information must be provided with treated material that identifies the substance that the material has been treated with, its hazardous properties, and precautions to be taken in handling the material. |
| 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 3 | Hazardous substances in a place other than a workplace. |
| 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 | |
| See www.foodsafety.govt.nz for registration Conditions | P9817 |

Section 16 Other Information

Glossary

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|------------------|---|
| 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 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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Issue Date: 24 November 2022 Review Date: 24 November 2027