

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: 7 July 2020

Section 2. Hazards Identification

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

EPA Approval No: HSR101041

Pictograms



Irritant



Chronic



Ecotoxic

Signal Word: **Warning**

HSNO Classification	Hazard Code	Hazard Statement	GHS Category
3.1D	H227	Combustible liquid.	Flam. Liq. 4
6.1E (oral)	H303	May be harmful if swallowed.	Acute Tox. 5
6.3B	H316	Causes mild skin irritation.	Skin Irrit. 3
6.4A	H319	Causes serious eye irritation.	Eye Irrit. 2A
6.9B	H373	May cause damage to organs through prolonged or repeated exposure.	STOT RE 2
9.1A	H410	Very toxic to aquatic life with long lasting effects.	Aquatic Chronic 1
9.3C	H433	Harmful to terrestrial vertebrates.	

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label before use.
P210	Keep away from heat, sparks, open flames or hot surfaces. No smoking.

P260	Do not breathe fumes, vapours or spray.
P264	Wash hands thoroughly after handling.
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.
P391	Collect spillage.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313	If skin irritation 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.

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: May be harmful if swallowed.

Skin: Causes mild skin irritation.

Eyes: Causes severe eye irritation.

Chronic: May cause damage through organs(oral) through repeated or prolonged exposure.

Advice to Physician: Treat Symptomatically

Section 5. Fire Fighting Measures

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.
- 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.
- Avoid release to the environment.
- Wear protective clothing as detailed in Section 8.

Precautions for Storage:

- Store away from incompatible materials listed in Section 10.
- Keep out of reach of children.
- 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 mg/m ³	TWA		STEL
	ppm	mg/m ³	ppm

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 2019 11TH EDITION.

Engineering Controls

General (mechanical) room ventilation is considered satisfactory.

Personal Protection Equipment



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

Appearance	Liquid
Colour	Yellow to brown
Odour	No odour
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

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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

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:

Swallowed	May be harmful if swallowed. 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	Causes skin irritation.

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 (oral) through repeated or prolonged exposure.

Section 12. Ecotoxicological Information

HSNO Classes: 9.1A Very toxic to aquatic life with long lasting effects.
 9.3C Harmful to terrestrial vertebrates.

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 5433:2012



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 (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.
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Section 15 Regulatory Information

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

EPA Approval Code: HSR101041

HSNO Classification: 3.1D, 6.1E(oral), 6.3B, 6.4A, 6.9B (oral), 9.1A, 9.3C

HSW (HS) Regulations 2017	Trigger Quantity
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
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 (equivalent to 15 g propiconazole per 100 kg seed)</p>
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> <p>* 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</p>

	<p>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.</p>
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

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

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	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 the Agrisource 2000 Ltd, if further information is required.

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