

SAFETY DATA SHEET

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

Section 1. Identification of the material and the supplier

Product: **Prosper**
 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: 19 May 2021

Section 2. Hazards Identification

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

EPA Approval No: HSR101239

Pictograms



Signal Word: **DANGER**

GHS Classification and Category	Hazard Code	Hazard Statement
Aspiration hazard Cat. 1	H304	May be fatal if swallowed and enters airways.
Eye irritation Cat. 2	H319	Causes serious eye irritation.
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/chronic Cat. 1	H400/H410	Very toxic to aquatic life with long lasting effects.
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.
P260	Do not breathe fume, 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.
P314	Get medical advice/attention if you feel unwell.
P331	Do NOT induce vomiting.
P391	Collect spillage.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/attention.

Storage Code	Storage Statement
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.
Prochloraz	450g/L	67747-09-5
Other ingredients	Balance	-

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	Take off contaminated clothing. Wash skin with plenty of soap and water. Do not scrub skin. Call a Poison Centre or doctor for treatment advice if irritation develops. Wash contaminated clothing before reuse.
If Swallowed	Wash out mouth thoroughly with water. Do NOT induce vomiting. 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. Immediately call a POISON CENTER or doctor/physician.
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:	May be fatal if swallowed and enters airways. Causes serious eye irritation.
Treatment:	May cause damage to organs through prolonged or repeated exposure. Treat symptomatically.

Section 5. Fire Fighting Measures

Hazard Type	Non Flammable
Hazards from products	May give off toxic fumes such as carbon monoxide, nitrogen oxides, and hydrochloric acid if burnt.
Suitable Extinguishing media	Water spray, foam. Carbon dioxide, dry powder or sand.
Precautions for firefighters and special protective clothing	When fighting a major fire, wear an air-supplied respirator. Wear protective equipment.
HAZCHEM CODE	3Z

Section 6. Accidental Release Measures

Wear personal protection equipment as detailed in Section 8. Keep unprotected and unauthorised people away from spillage area. Avoid contact with skin, eyes and clothing. Remove contaminated clothes and shoes immediately.

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

Absorb spills with inert material and place in waste containers. Wash area with water and absorb with further inert material. 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.
- Do not breathe fume, vapours or spray.
- Avoid contact with skin and eyes and inhalation of concentrate or spray mist.
- When using, do not eat or drink or smoke.
- Wash face and hands before eating, drinking and smoking.
- 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 locked up in original packaging.
- Keep tightly closed in a dry, cool and well-ventilated place.

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 NOV 2019 11TH EDITION.

Engineering Controls

Ensure adequate ventilation.

Personal Protection Equipment



Eyes	Chemical goggles/face protection.
Hands	Wear suitable protective gloves. After contamination with product, change the gloves immediately.
Respiratory	Where insufficient ventilation, use suitable respiratory protection.
General	Avoid inhaling aerosols and vapours. Avoid contact with eyes and skin. Store work clothes and street clothes separately. Wash hands before breaks and after work. Change contaminate protective clothing. Keep away from food, drinks and tobacco.

Section 9. Physical and Chemical Properties

Appearance	Liquid
Colour	Off-white
Odour	Characteristic
Odour Threshold	Not available
pH @23°C	Not available
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	Not available
Flammability	Not available
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Density	1.12 g/cm ³
Solubility	Not miscible in water
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Octanol/Water Particle Coefficient	Not available

Section 10. Stability and Reactivity

Stability of Substance	Stable under normal storage conditions.
Possibility of hazardous reactions	No hazardous reactions when stores and handled according to the label.
Conditions to Avoid	Extremes of temperature and direct sunlight.
Incompatible Materials	None known.
Hazardous Decomposition Products	May give off toxic fumes such as carbon monoxide, nitrogen oxides, and hydrochloric acid if burnt.

Section 11. Toxicological Information

Acute Effects:

Swallowed	Not applicable. LD50 >2000mg/kg (rat)
Dermal	Not applicable. LD50 >2000mg/kg (rat)
Inhalation	Not applicable.
Eye	Causes serious eye irritation.
Skin	Not applicable.

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	May be fatal if swallowed and enters airways.
STOT/SE	Not applicable.
STOT/RE	May cause damage to organs through prolonged or repeated exposure.

Section 12. Ecotoxicological Information

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

Product:	
Persistence and degradability	No data available
Bioaccumulation	No data available
Mobility in Soil	No data available
Other adverse effects	No data available

Toxicity to fish: LC50 (96 h) 4.41 mg/L Rainbow trout (*Oncorhynchus mykiss*), 2.2 mg/L Bluegill sunfish
Toxicity to birds: LD50 >1.954 mg/kg mallard duck, 662 mg/kg quail
Toxicity to
Daphnia magna: EC50: 7.21 mg/L (48h) Water flea (*Daphnia magna*)
Toxicity to Algae: LC50: 0.026 mg/L (72h) Algae (*Selenastrum capricornutum*)

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. Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.



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 (Prochloraz)
Marine Pollutant	Yes
Special Provisions	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: HSR101239

HSW (HS) Regulations 2017		Trigger Quantity
Signage Trigger Quantities (Schedule 3)		100L (aquatic Acute/Chronic Cat. 1)
Emergency Response Plan (Schedule 5)		100L (aquatic Acute/Chronic Cat. 1)
Secondary Containment (Schedule 5)		100L (aquatic Acute/Chronic Cat. 1)
Tracking (Schedule 26)		Not required
Certified Handlers		Not required
Location Certificate		Not required
HSNO Additional Controls (Restrictions of use)		
77A		This substance must not be applied onto or into water. 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.
77A - A maximum application rate is set for this substance.		The maximum application rate of this substance is 1.5 L/ha (0.675 kg of prochloraz/ha), with a maximum application frequency of three times per season.
77A - The maximum level of an impurity in the technical grade active material for this substance is set.		The following limits are set for toxicologically relevant impurities in the active ingredient prochloraz used to manufacture this substance:- 2,3,7,8 tetrachlorodibenzo-p-dioxin (TCDD) = 0.1 µg/kg maximum- 2,4,6-trichlorophenol = 1 g/kg maximum
77A - A restriction has been placed on the application method for this substance.		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.
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 pesticide.
ACVM Act and Regulations		
See www.foodsafety.govt.nz for registration Conditions		P9884

Glossary

Cat	Category
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

This document has been prepared by TCC (NZ) Ltd and serves as the suppliers Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to TCC (NZ) Ltd or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While TCC (NZ) have taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, TCC (NZ) Ltd accept no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS

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Please contact the Agrisource 2000 Ltd, if further information is required.

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