

**1. SUBSTANCE IDENTIFICATION:****Standbye**

OTHER NAME: prochloraz  
SUPPLIER NAME: AGPRO NZ Limited  
SUPPLIER ADDRESS: 10 Polaris Place, East Tamaki, Auckland.  
SUPPLIER PHONE: 09 273 3456 SUPPLIER FAX: 09 273 3457  
EMERGENCY PHONE: 0800 POISON  
CHEMICAL FAMILY: Imidazole  
USE: Fungicide

**2. HAZARDS IDENTIFICATION:**

HSNO HAZARD CLASSIFICATION: Flammable liquid, Harmful, Ecotoxic  
3.1C Warning - Flammable liquid and vapour.  
6.1D Warning - May be harmful if swallowed.  
6.3A Warning - May cause skin irritation.  
6.4A Warning - May cause serious eye irritation.  
6.8B Warning - May damage fertility or the unborn child.  
6.9B Warning - May cause organ damage from repeated oral exposure at high doses.  
9.1A Warning - Very toxic to aquatic life with long lasting effects.  
9.1B Warning - Ecotoxic in the aquatic environment.  
9.3C Warning - Harmful to terrestrial vertebrates.

**3. COMPOSITION / INFORMATION ON INGREDIENTS:**

CHEMICAL NATURE: Fungicide  
CHEMICAL IDENTITY: N-propyl-N-[2-(2,4,6-trichlorophenoxy)ethyl]imidazole-1-carboxamide

INGREDIENT	CAS NUMBER	CONTENT (%w/v)
prochloraz	67747-09-5	42.5 %
xylene	1330-20-7	37.7 %
other ingredients		up to 100%

**4. FIRST - AID MEASURES:**

GENERAL INFORMATION: Remove any contaminated clothing and footwear immediately. Seek medical advice. Contact National Poisons and Hazardous Chemicals Information Centre ph 0800 764 766 (0800 POISON) for further advice.  
SKIN CONTACT: In case of contact, immediately wash affected area with soap and water. Wash contaminated clothing before reuse. Seek medical advice if irritation persists.  
EYE CONTACT: Hold eyes open and rinse with water for at least 15 minutes. Remove contact lenses if easy to do so. Seek medical advice from an eye specialist.  
INGESTION: Do not induce vomiting. Seek medical advice immediately.  
INHALATION: Immediately move to fresh air and rest. Maintain half upright position if breathing is difficult. Seek medical advice immediately.  
NOTE TO PHYSICIAN: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

**5. FIRE FIGHTING MEASURES:**

FLASHPOINT: 28 °C  
EXTINGUISHING MEDIA AND METHODS: Dry chemical, water spray (fog), foam or carbon dioxide.  
SPECIFIC HAZARDS DURING FIRE FIGHTING: Flammable liquid. Combustion products may be toxic and/or cause irritation. Do not allow contaminated run-off to enter waterways.  
RECOMMENDED PROTECTIVE CLOTHING: Fire fighters should wear full protective gear, including self-contained breathing apparatus.

**6. ACCIDENTAL RELEASE MEASURES:**

EMERGENCY PROCEDURES:

PERSONEL PRECAUTIONS:

Ensure suitable personal protection during removal of spillages - wear either goggles and half face respirator with dust and vapour cartridge or full face respirator with dust and vapour cartridge along with impermeable gloves, coat, hat and trousers.

ENVIRONMENTAL PRECAUTIONS:

Prevent spills and washings from entering any waterway.

PROCEDURE FOR SPILL:

Keep bystanders away. Wear above mentioned protective equipment. Contain the spill and recover spill product with sawdust or other inert absorbent material then place recovered material into a properly labelled and secured drum. Contaminated material must be disposed of in accordance with all local authority requirements.

**7. HANDLING AND STORAGE:**

HANDLING AND USE:

Handle only in areas with appropriate exhaust ventilation. Wear appropriate safety gear (See section 8).

STORAGE:

Store in original containers tightly closed in a cool, well ventilated place accessible by authorized persons only. Store away from sources of ignition, food and feedstuffs.

STORAGE STABILITY:

Storage duration: 24 Months.

STORAGE SITE REQUIREMENTS:

Flammable liquid. Stores containing more than 1000 litres of this product require emergency response plans, secondary containment systems and are subject to signage. Note: When stored with substances of the same hazard the aggregate quantity must be considered.

APPROVED HANDLER:

Approved handlers are not required for this product except during use. This product must be under the control of an approved Handler if it is being applied in a wide dispersive manner or by a commercial contractor.

RECORD KEEPING:

Record of use must be kept for 3 years.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION:**

RESPIRATORY PROTECTION:

Use suitable respiratory protection where there is insufficient ventilation.

HAND PROTECTION:

Impervious gloves.

EYE PROTECTION:

Chemical goggles/face protection.

OTHER PROTECTIVE EQUIPMENT:

Wear suitable impervious protective clothing.

HYGENE MEASURES:

Avoid contact with eyes and skin. Store work clothes and street clothes separately. Wash hands before breaks and at the end of work. Change contaminated protective clothing. Wash work clothing separately. Do not eat, drink or smoke whilst handling or using.

**9. PHYSICAL AND CHEMICAL PROPERTIES:**

APPEARANCE / STATE :

Amber to dark brown liquid

ODOUR:

Weak odour

FLASH POINT

Emulsifies in water

SPECIFIC GRAVITY:

1.05 – 1.07 g/L at 20°C

**10. STABILITY AND REACTIVITY:**

HAZARDOUS REACTIONS:

Flammable liquid. Stable under normal conditions.

CONDITIONS TO AVOID:

None.

INCOMPATIBILITY:

Avoid mixing with strong acids and bases.

HAZARDOUS DECOMPOSITION PRODUCT:

Toxic and/or irritant decomposition products. (Oxides of Carbon and Nitrogen and hydrochloric acid)

# AGPRO SAFETY DATA SHEET

DIRECT

## AGPRO STANDBYE

Issue Date: 11/04/2018

### 11. TOXICOLOGICAL INFORMATION:

FORMULATED PRODUCT:

ORAL TOXICITY:	LD <sub>50</sub> rat (female): > 2415 mg/kg
DERMAL TOXICITY:	LD <sub>50</sub> rat: > 2000 mg/kg.
ACUTE INHALATION TOXICITY:	Rat: LC <sub>50</sub> (4 h): > 5.8 mg/l.
SKIN IRRITATION:	Slightly irritating (rabbit).
EYE IRRITATION:	Moderately irritating (rabbit).
SENSITIZATION:	Not sensitizing (Guinea pig)

### 12. ECOLOGICAL INFORMATION:

FOR PROCHLORAZ TECHNICAL:

FISH:	LC <sub>50</sub> (96 h) for rainbow trout 1.5 mg/l and Bluegill sunfish 2.2 mg/l.
DAPHNIA:	LC <sub>50</sub> (48hr) > 4.3 mg/l.
ALGAE:	EC <sub>50</sub> (3 day) for <i>Scenedesmus subspicatus</i> 0.1 mg/l.
BIRDS:	LD <sub>50</sub> for Bobwhite quail 662 mg/kg, Mallard ducks > 1954 mg/kg. LC <sub>50</sub> (5 day) dietary Mallard ducks and Bobwhite Quail > 5200 mg/kg feed.
BEEES:	Not toxic. LD <sub>50</sub> (48 hr) > 50 µg/bee (contact) and 60 µg/bee (oral).
WORMS:	LC <sub>50</sub> (14 d) for <i>Eisenia foetida</i> 207 mg/kg soil..

### 13. DISPOSAL CONSIDERATIONS:

DISPOSAL:

Ensure product is not discharged into the environment. The best method of disposal is to use according to label directions. For disposal, use a certified disposal company.

EMPTY CONTAINER PRECAUTIONS:

Remove all residues after final product withdrawal. Once product residues adhering to container walls have been rendered harmless, the product and hazard labels must be invalidated. Containers may be recycled with a certified drum recycling company.

PROCEDURE FOR DISPOSAL:

Triple rinse containers and add rinsate to spray tank. Do not dispose of undiluted product on site. Burn rinsed container in a suitable incinerator if circumstances, especially wind direction, are suitable. Otherwise bury in suitable landfill. Dispose of product or unused spray mix according to label instructions.

### 14. TRANSPORT INFORMATION:

COMMERCIAL TRANSPORT:	TRANSPORT BY RAIL/ROAD (RID/ADR), SEA (IMDG/GGVSEE) AND AIR (ICAO/IATA).
UN NUMBER:	3082
PROPER SHIPPING NAME:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PROCHLORAZ).
DG CLASS:	9
PACKAGING GROUP:	III
MARINE POLLUTANT:	MARINE TRANSPORT ONLY.
HAZCHEM CODE:	2X

### 15. REGULATORY INFORMATION:

APPROVED HANDLER:	Approved Handlers required at time of use.
EPA Approval Code:	HSR100207
HSNO Controls:	See <a href="http://www.epa.govt.nz">www.epa.govt.nz</a> for controls.
ACVM Registration:	P008127
ACVM Controls:	See <a href="http://www.nzfsa.govt.nz/acvm">www.nzfsa.govt.nz/acvm</a> for registration conditions.

### 16. OTHER INFORMATION:

This information and recommendations contained herein are based on information believed to be correct. However, no guarantee or warranty of any kind, expressed or implied is made with respect to the information provided herein.