


1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

PRODUCT NAME: PRECARE
OTHER NAME: Suspension concentrate containing 500 g/L propyzamide
USE: Selective herbicide
SUPPLIER NAME: AGPRO NZ Ltd
SUPPLIER ADDRESS: 10 Polaris Place, East Tamaki, Auckland 2013
PO Box 58-963, Botany, Auckland 2163
SUPPLIER CONTACT: 09 273 3456 or freephone 0508 536 536
www.agpro.co.nz
POISON INFORMATION: National Poison Centre, 0800 POISON (0800 764 766) 24 hours
CHEMICAL EMERGENCY: 0800 CHEMCALL (0800 243 622) 24 hours

2. HAZARDS IDENTIFICATION

NEW ZEALAND: Hazardous according to the Hazardous Substances (Hazard Classification) Notice 2020 of the HSNO Act, 1996
APPROVAL NUMBER: HSR100618
HAZARD CLASSIFICATIONS: Eye irritation Category 2, Carcinogenicity Category 2, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to soil organisms, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1.

PICTOGRAMS: 

SIGNAL WORD: WARNING

HAZARD STATEMENTS: Cause serious eye irritation.
Suspected of causing cancer.
May cause damage to organs through prolonged or repeated exposure.
Very toxic to aquatic life and with long-lasting effects.
Very toxic to soil organisms.

PREVENTION: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
Do not breathe mist/vapours/spray.
Wash hands thoroughly after handling.
Use personal protection equipment as required. Wear eye or face protection.
Avoid release to the environment.

RESPONSE: IF exposed or concerned: Get medical advice/attention.
Get medical advice/attention if you feel unwell.
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.
Collect spillage.

STORAGE: Store locked up.

DISPOSAL: Dispose of unwanted product and used packaging in compliance with local regulations.

TRANSPORT: Precare is classified as Dangerous Goods Class 9 for Transport.

3. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS No.	% w/w
Propyzamide	23950-58-5	44 - 46*
Ethylene glycol	23950-58-5	1 - 3
Other ingredients	Trade secret	balance

* equivalent to 500 g/L propyzamide

4. FIRST - AID MEASURES

Contact the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor for advice if exposed, concerned or feel unwell.

Have product label or SDS at hand.

Ingestion: If swallowed, do NOT induce vomiting. Rinse mouth with water. Contact the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor for advice.

Inhalation: Remove patient to fresh air. Keep in position comfortable for breathing.
If breathing is shallow or has stopped ensure airway is clear, apply resuscitation and seek medical assistance immediately.

Skin contact: Remove contaminated clothing and wash running water. If irritation persists, get medical advice.

Eye contact: If in eyes flush with plenty of water holding eyelids open if necessary. Remove contact lenses if present, after a few minutes, then continue flushing with water. Get medical advice if irritation persists.

Advice to Doctor: No specific antidote. Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flammability: Non-flammable.

Hazardous Combustion Products: If involved in a fire, may evolve toxic/harmful compounds.

Extinguishing Media: Foam, water fog or spray, carbon dioxide or dry chemical as appropriate to surrounding materials.

Protective Equipment: Full protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Spills and Disposal: Wear personal protective equipment. Exclude non-essential people from the area. Contain spillage.
Collect spillage in labelled containers than can be closed, for reuse or disposal. For small liquid spills absorb spillage with sawdust or an inert absorbent material, and place in a sealable labelled waste container. Dispose of waste safely in an approved landfill or hazardous waste facility.

Environmental Precautions: Prevent from entering drains, waterways or sewers. If spill does enter waterways immediately contact local authority.

Precare is a herbicide and spillage on soil may damage crops.

7. HANDLING AND STORAGE

Handling: Keep out of reach of children. Read label before use. Do not handle until all safety precautions have been read and understood.
Keep container tightly closed when not in use. Use only according to label.

Wear personal protective equipment. Avoid contact with skin and eyes and inhalation of vapours or spray mist.

Use outdoors or in well-ventilated area. Precare must be under the control of a suitably qualified handler when being, mixed loaded or applied.

Do not apply directly into or onto water. Take all reasonable steps to ensure the product does not cause any significant adverse effects to the environment beyond the application area.

Written record of use required if more than 3 kg (3L) applied within 24 hours in a place where the product is likely to enter air or water and leave the application area.

Storage: Signage, an emergency response plan and secondary containment required when more than 100L on site.

Store in original container tightly closed and in a locked, dry, cool, well-ventilated area away from foodstuffs and stockfeed. Avoid contamination or seeds fertilisers and other pesticides.

For guidance refer to the current version of NZS 8409 Management of Agrichemicals and the Health and Safety at Work (Hazardous Substances) Regulations 2017.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits: Worksafe NZ (12th edition, November 2020)

<i>Ingredient</i>	<i>Exposure</i>	<i>Form</i>	<i>Ceiling</i>
Ethylene glycol	Inhalation	Mist, vapour	50 ppm (127 mg/m ³)

Protective Equipment: When opening the container, preparing to measure, load or when applying: wear safety goggles, chemical resistant gloves made of materials such as polyvinyl chloride or neoprene, chemical resistant boots, cotton overalls buttoned to the neck and wrist, and boots.

The following Standards provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: **AS/NZS 4501**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

Engineering Controls: Handle outdoors or in a well-ventilated area. Use local exhaust ventilation, or other engineering controls as appropriate to conditions.

Hygiene Precautions: Do not eat, drink or smoke while using this product. Remove protective clothing and wash hands and face before meals and after work. Wash protective clothing and equipment daily after work.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Off-white to brown liquid

Odour: Slight

Odour threshold: No information available

pH (neat) 6.0 - 8.0

Melting point/freezing point: Not available

Initial boiling point/range: Not available

Flashpoint: Nonflammable

Flammability (solid, gas): Not applicable

Upper/lower flammability limits: Not available

Vapour pressure: Not available

Vapour density: Not available

Relative density: 1.13 -1.14

Solubilities: Forms suspension in water

Partition coefficient: n-octanol/water: Not available

Auto-ignition temperature: No information available

Decomposition temperature: Not available

Kinematic viscosity: Not available

Particle characteristics: Not applicable

10. STABILITY AND REACTIVITY

Stability:	Stable under normal storage conditions in original container for at least two years.
Conditions to avoid:	No specific information.
Incompatible substances or materials:	Relatively stable in neutral, weakly acidic and weakly alkaline media. Hydrolyzed by stronger acids and bases.
Hazardous polymerization:	Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Not classified as acutely toxic if swallowed, in contact with skin or if inhaled.
Aspiration hazard:	Not classified.
Respiratory irritation:	Not classified.
Skin corrosion/irritation:	Not classified.
Serious eye damage/irritation:	Severe eye irritant.
Respiratory or skin sensitization:	Not classified.
Germ cell mutagenicity:	Not classified.
Carcinogenicity:	Propyzamide is suspected of causing cancer.
Reproductive toxicity:	Not classified.
Specific organ toxicity:	May cause damage organs or systems through prolonged or repeated exposure. Propyzamide is identified as affecting the liver, kidney and spleen.
Narcotic effects:	No components identified with narcotic effects.
Toxicological information:	<u>Propyzamide (active)</u> Oral, rat LD ₅₀ > 5000mg/kg bw Dermal, rat LD ₅₀ 2000 mg/kg bw Inhalation, rat LC ₅₀ (4 hr) >2.1 mg/L

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Precare is classified as being very toxic to aquatic life and with long-lasting effects. Precare is also very toxic to the soil environment.
Ecotoxicological information:	<u>Propyzamide (active)</u> Fish: <i>Oncorhynchus mykiss</i> LC ₅₀ (96 h) 4.7 g/L Crustacean: <i>Daphnia magna</i> EC ₅₀ (48 h) >5.6 mg/L Algae: <i>Rapidocelis subcapitata</i> EC ₅₀ (72 hr) growth 2.8 mg/L Aquatic plant: <i>Lemna spp.</i> EC ₅₀ (7d) growth, 1.4 mg/L Bird: <i>Coturnix japonica</i> LD ₅₀ 6578 mg/kg bw
Persistence and degradability:	DT ₅₀ (typical) 50.5 days, DT ₅₀ (field) 233 days; moderately persistent.
Potential to be bioaccumulative:	Not expected to be bioaccumulative.
Mobility in soil:	Propyzamide has limited solubility in water.
Other adverse effects:	No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal:	Dispose of product only by using according to label or dispose of at an approved landfill.
Container Disposal:	Ensure container is completely empty. Triple rinse with water and add rinsate to spray tank. Dispose of empty clean container to recycler for agricultural chemicals, otherwise crush and bury in an approved landfill. Do not use container for any other purpose.

14. TRANSPORT INFORMATION

UN Number:	3082
Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (propyzamide 50%)
DG Class:	9
Packing Group:	III
Marine Pollutant:	YES
HAZCHEM	3Z

15. REGULATORY INFORMATION

New Zealand Registered pursuant to the ACVM Act 1997, No. P9588
 See www.foodsafety.govt.nz for registration conditions
 Approved pursuant to the HSNO Act 1996, Approval Code HSR100618
 See www.epa.govt.nz for Controls and www.worksafe.govt.nz.

Qualifications	Qualified Handler.
Tracking:	Not required
Safety Data Sheet:	Any quantity
Restricted to workplace only:	Not applicable
Quantity that must be secured when unattended:	Not applicable
Fire extinguishers	Not applicable
Quantity for secondary containment and emergency response plan:	1000 L
Quantity for signage:	1000 L
Quantity for Location certificate	Not required
Records of use (3 kg or more applied to area within 24 hours)	Yes
Quantity that requires management in accordance with HSW HS Regulations	Not applicable

16. OTHER INFORMATION

Version: 2.1

Issue Date: 16 June 2023

Reason for Issue: Supplier's contact details updated.

Replaces: Replaces version 2.0 dated February 2022

References:

Supplier Safety Data Sheets

NZ EPA Approved Hazardous Substances Databases.

Worksafe NZ Workplace Exposure Standards and Biological Exposure Indices

NZS 5433:2020 New Zealand Standard Transport of Dangerous Goods on Land

Abbreviations:

ACVM	Agricultural Chemicals and Veterinary Medicines Group
ADI	Acceptable Daily Intakes
BCF	Bioconcentration factor
CAS Number	Chemical Abstracts Service Registry Number

CCID	Chemical Classification Identification Database
EPA	Environmental Protection Authority
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
HSNO	Hazardous Substances and New Organisms
HS	Health and Safety
HSR	Hazardous Substances Register
IARC	International Agency for Research on Cancer
LC ₅₀	Median Lethal Concentration
LD ₅₀	Median Lethal Dose (50% population)
SDS	Safety Data Sheet
NOAEL	No Observable Adverse Effect Level
NOEL	No Observable Effect Level
NOS	Not otherwise specified
STEL	Short Term Exposure Limit
TWA	Time-Weighted Average
UN Number	United Nations Number
WES-STEL	Workplace exposure standards – Short-term exposure limit
WES-TWA	Workplace exposure standards – Time-weighted average

The data given here is based on current knowledge and experience. The purpose of this safety data sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.

End of Safety Data Sheet.