

SAFETY DATA SHEET

AGPRO Easy Clean 50


AGPRO

1. SUBSTANCE IDENTIFICATION

SUPPLIER NAME	AGPRO NZ Limited
SUPPLIER ADDRESS	10 Polaris Place, East Tamaki, Auckland 2013 PO Box 58-963, Botany, Auckland 2163
SUPPLIER CONTACT DETAILS	09 273 3456 or freephone 0508 536 536 www.agpro.co.nz
EMERGENCY PHONE	
POISON INFORMATION	0800 POISON (0800 764 766) 24 hours
CHEMICAL EMERGENCY	0800 CHEMCALL (0800 243 622) 24 hours
ACTIVE INGREDIENT(S) AND PRESENTATION	500g/L quaternary ammonium compounds
USE	Control of lichen, moss, mould, algae and liverwort in most turfgrass surfaces.

2. HAZARDS IDENTIFICATION

Classified as Hazardous according to the NZ Environmental Protection Authority criteria.

GHS CLASSIFICATIONS	Acute oral toxicity Category 4 Acute dermal toxicity Category 4 Skin corrosion Category 1B Serious eye damage Category 1 Hazardous to the aquatic environment acute Category 1 Hazardous to terrestrial vertebrates
HSNO CLASSIFICATIONS	6.1D, 8.2B, 8.3A, 9.1A, 9.3B
SIGNAL WORD	DANGER
PICTOGRAMS	
HAZARD STATEMENTS	H302 Harmful if swallowed. H312 Harmful in contact with skin H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage. H400 Very toxic to aquatic life (acute).
PREVENTION STATEMENTS	P102 Keep out of reach of children. P103 Read carefully and follow all instructions. P260 Do not breathe mist/vapour/spray. P264 Wash face and hands thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P273 Avoid release to the environment. P280 Wear protective gloves / protective clothing / eye protection / face protection.
RESPONSE STATEMENTS	P101 If medical advice is needed, have product container or label on hand. P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

AGPRO Easy Clean 50

2. HAZARDS IDENTIFICATION

	P301 + P330 + P331 P302 + P352 P303 + P361 + P353 P304 + P340 P305 + P351 + P338 P310 P312 P330 P361 + P364 P391	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN: Wash with plenty of water. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Take off immediately all contaminated clothing and wash it before reuse. Collect spillage.
STORAGE STATEMENTS	P405 Store locked up See Section 7.	
DISPOSAL STATEMENTS	P501 Dispose of contents/ containers in accordance with relevant regulations. See Section 13.	

3. COMPOSITION / INFORMATION ON INGREDIENTS

COMMON NAME	CAS NUMBER	CONCENTRATION
Quaternary ammonium compounds, benzyl-C12-C16 alkyl dimethyl chlorides	68424-85-1	500g/L
Non-hazardous ingredients	Proprietary	Balance to 100%

4. FIRST AID MEASURES

For advice call the National Poisons Centre 0800 POISON (0800 764 766) 24 hours or a doctor. If medical advice is needed have product container or label to hand.

EYE CONTACT	Get immediate medical attention. Rinse cautiously for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.
SKIN (or hair) CONTACT	Get immediate medical attention. Remove contaminated clothing and flush skin and hair with running water.
INHALATION	Remove to fresh air and keep at rest in a position comfortable for breathing. Apply artificial respiration if not breathing. Call doctor if you feel unwell.
INGESTION	Do NOT induce vomiting. Rinse mouth. Call the Poison Centre or a doctor if you feel unwell.
NOTES TO DOCTOR	Treat symptomatically.
FIRST AID FACILITIES	Eye wash facilities and safety shower should be available.

AGPRO Easy Clean 50**5. FIRE FIGHTING MEASURES**

EXTINGUISHING MEDIA	Water fog, carbon dioxide or dry chemical. Prevent extinguishing media from entering drains.
THERMAL DECOMPOSITION PRODUCTS	Non-flammable. Thermal decomposition may produce toxic fumes and compound.
SPECIAL FIRE FIGHTING METHODS	Self-contained breathing apparatus with full face-piece and protective clothing. Cool fire exposed containers with water spray.
HAZCHEM CODE	2X

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Exclude non-essential people from the area. Wear Personal Protective Equipment (PPE) as detailed in Section 8 of the SDS.
ENVIRONMENTAL PRECAUTIONS	Prevent product from entering waterways or drains.
SPILLS AND DISPOSAL	Spills may be slippery and should be cleaned up immediately. Contain spillage, then cover / absorb with inert, non-combustible absorbent material (attapulgitite or similar). Collect and place in suitable sealed, labelled containers for disposal. Wash area with water and absorb with further inert material. See Section 13 for details on disposal.

7. HANDLING AND STORAGE

PRECAUTIONS FOR HANDLING	Carefully read the label before use. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands and face before eating. Prohibit eating, drinking and smoking in contaminated areas. This product must be under the control of a suitably qualified handler during mixing, loading and use.
STORAGE	Store in original container, tightly closed, in a locked, dry, cool and well-ventilated area and avoid direct sunlight. Store away from foodstuffs, fertilisers or seeds. Storage must be in accordance with NZS 8409 Management of Agrichemicals. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Stores containing 100 litres or more of AGPRO Easy Clean 50 require secondary containment, signage and an emergency response plan. A Location Compliance Certificate is required for storage of more than 250L.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS	None established.
EYE PROTECTION	Wear splash proof goggles / face protection.
RESPIRATORY PROTECTION	Respiratory protection is not usually required if good ventilation is maintained. Where an inhalation risk exists, wear a Type A (Organic-Vapour) respirator.
PROTECTIVE CLOTHING	Wear chemically resistant gloves, coveralls, socks and chemical-resistant footwear.
VENTILATION	Avoid inhalation. Use in a well-ventilated area.

AGPRO Easy Clean 50

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

HYGIENE PRECAUTIONS	Do not eat, drink or smoke while working with this product. Remove clothing that becomes soaked or contaminated and wash before reuse. Wash hands and face before breaks and after work.
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9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE / STATE/ COLOUR	Colourless to pale yellow liquid
ODOUR	Not Available
ODOUR THRESHOLD	Not Available
pH (neat)	8 (typical)
MELTING POINT / FREEZING POINT	Not Available
INITIAL BOILING POINT / BOILING RANGE	Not Available
FLASHPOINT	Not Available
FLAMMABILITY	Non-flammable
UPPER/LOWER FLAMMABILITY LIMITS	Not Available
VAPOUR PRESSURE	Not Available
VAPOUR DENSITY	Not Available
RELATIVE DENSITY	0.98 g/ml @ 25°C (typical)
SOLUBILITY	Soluble in water
OCTANOL / WATER PARTITION COEFFICIENT	Not Available
AUTOIGNITION TEMP	Not Applicable
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 two years.
CONDITIONS TO AVOID	None known.
MATERIALS TO AVOID	Strong acids/bases. Oxidising and reducing agents.
HAZARDOUS DECOMPOSITION PRODUCTS	Hazardous polymerisation will not occur. Thermal decomposition may produce toxic fumes and compounds.

11. TOXICOLOGICAL INFORMATION

ACUTE EFFECTS	
ORAL TOXICITY	Harmful if swallowed. Easy Clean 50: LD50 675 mg/kg Quaternary Ammonium compound, benzyl-C12-C16-alkyl dimethyl, chloride: LD50 (rat) 344 mg/kg

AGPRO Easy Clean 50

11. TOXICOLOGICAL INFORMATION

DERMAL TOXICITY	Easy Clean 50: LD50 2156 mg/kg
INHALATION TOXICITY	No information
EYE CORROSION / IRRITANCY	Causes serious eye damage
SKIN CORROSION / IRRITANCY	Causes severe skin burns
CHRONIC EFFECTS	
CARCINOGENICITY	No information
REPRODUCTIVE TOXICITY	No information
GERM CELL MUTAGENICITY	No information
ASPIRATION	No information
STOT/SE	No information
STOT/RE	No information
NARCOTIC EFFECTS	No information

12. ECOLOGICAL INFORMATION

TOXICITY	Very toxic to aquatic environment. Toxic to terrestrial vertebrates.
PRECAUTIONS	<p>Qualified Handler: This product must be under the control of a suitably qualified handler during handling, mixing, loading or application.</p> <p>This product must not be applied directly into or onto water. Avoid contamination of any waterways with product or empty container. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the area of application.</p>
ECOTOXICITY INFORMATION	<p>LC50 (96hr, Oncorhynchus mykiss) 0.93 mg/L</p> <p>LC50 (96hr, Pimephales promelas) 0.28 mg/L</p> <p>EC50 (48hr, Daphnia) 0.016 mg/L</p>
BIOACCUMMULATIVE	No information
READILY DEGRADABLE	Yes

13. DISPOSAL CONSIDERATIONS

Do not contaminate streams, rivers or waterways with the chemical or the used container.	
PRODUCT DISPOSAL	Dispose of by using product as intended, according to the label directions. If this is not possible, for small amounts, absorb with inert, non-combustible absorbent material (attapulgate or similar). Collect and place in a sealable, labelled container and safely dispose of at an approved landfill. For large amounts contact your supplier or chemical recycling facility.
CONTAINER DISPOSAL	Triple rinse container and add residue to spray tank. Return empty container to an Agrecovery collection point for disposal, or puncture and dispose of at an approved facility. Do NOT burn. Do not use the container for any other purpose.

SAFETY DATA SHEET

AGPRO Easy Clean 50

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14. TRANSPORT INFORMATION

CLASSIFIED AS A DANGEROUS GOOD ACCORDING TO LAND TRANSPORT RULE: DANGEROUS GOODS 2005, NZS 5433:2020, IMDG OR IATA.



	Land Transport (NZS 5433)	Sea Transport (IMDG / IMO)	Air Transport (IATA / ICAO)
UN Number	1760	1760	1760
Proper Shipping Name	CORROSIVE LIQUID, N.O.S (Quaternary ammonium compounds, benzyl-C12-C16-alkldimethyl, chlorides 50%)	CORROSIVE LIQUID, N.O.S (Quaternary ammonium compounds, benzyl-C12-C16-alkldimethyl, chlorides 50%)	CORROSIVE LIQUID, N.O.S (Quaternary ammonium compounds, benzyl-C12-C16-alkldimethyl, chlorides 50%)
Transport Hazard Class	8	8	8
Subsidiary Class	-	-	-
Packing Group	II	II	II
Hazchem	2X	2X	-
Marine Pollutant Status	Marine Pollutant		

The Environmentally Hazardous Substance Mark is not required when transported in packages of less than 5kg/L (UN Model Regulations: Special Provision 375; IATA Special Provision A197; IMDG; Special Provision 969)

15. REGULATORY INFORMATION

ACVM REGISTRATION	Exempt from registration under the ACVM Act 1997.
HAZARDOUS SUBSTANCE APPROVAL CODE	HSR000822 See the EPA website for approval controls www.epa.govt.nz
RECORDS OF APPLICATION	If 3 kg or more of the substance is applied within 24 hours, in a place where the substance is likely to enter the air or water and leave the application area, a PCBU with management or control of the substance must ensure that a written record is kept of each application of the substance.

16. OTHER INFORMATION

SDS ISSUE DATE	28 July 2022
SDS REVIEW DATE	July 2027
REFERENCES	Supplier SDS NZ Workplace Exposure Standard and Biological Exposure Indices (Nov 2020) NZ Chemical Classification Information Database

AGPRO Easy Clean 50**16. OTHER INFORMATION**

	NZ EPA Hazardous Substance Approvals and Group Standards Databases
ABBREVIATIONS	
ACVM	Agricultural Compounds and Veterinary Medicines
CAS Number	Chemical Abstract Service Number - used to uniquely identify chemical compounds
EPA	Environmental Protection Authority (New Zealand)
g/L	Grams per litre
GHS	Globally Harmonised System
HSNO	Hazardous Substances and New Organisms
LC50	Lethal Concentration, 50% / Median Lethal Concentration
LD50	Lethal Dose, 50% / Median Lethal Dose
mg/m ³	Milligrams per cubic metre
STEL	Short Term Exposure Limit
WES	Workplace Exposure Standard
IMDG/IMO	International Maritime Dangerous Goods / International Maritime Organisation
IATA / ICAO	International Air Transport Association / International Civil Aviation Organisation
TLV	Threshold Limit Value
TWA	Time Weighted Average
OEL	Occupational Exposure Limit

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