

Section 1: Identification

Product name:	Clean & Clear 375 + 25
Other names:	375 g/litre MCPB and 25 g/litre MCPA both as sodium salts as a soluble concentrate.
Recommended use:	For the control of broadleaf weeds in pasture, grass, white clover seed crops, peas and cereals.
Manufacturer/Importer details:	AgStar New Zealand Pty Ltd 4 Putakitaki Street, Lincoln, Christchurch 7608
Distributor:	Farmlands Co-operative Society Limited 535 Wairakei Road, Burnside, Christchurch 8053 TEL 0800 200 600
24 hour emergency contact:	0800 CHEMCALL (0800 243622)
National Poisons Centre:	0800 POISON (0800 764766)

Section 2: Hazard identification

HSNO Approval:	Product is classified as hazardous according to the Hazardous Substances (Hazard Classification) Notice 2020 of the HSNO Act, 1996. HSR000726
Hazardous classification:	Acute toxicity (oral) Category 4, Eye irritation Category 2, Reproductive toxicity Category 2, Specific target organ toxicity (repeated) Category 2, Hazard to soil organisms, Hazardous to terrestrial vertebrates, Hazardous to the aquatic environment (acute) Category 1, Hazardous to the aquatic environment (chronic) Category 1.
Pictograms:	
Signal word:	WARNING
Hazard statements:	H302 Harmful if swallowed H319 Cause serious eye irritation H361 Suspected of damaging fertility or the unborn child. H373 May cause damage to organs through prolonged or repeated exposure H400 Very toxic to aquatic life H410 Very toxic to aquatic life with long lasting effects Very toxic to soil flora Harmful to terrestrial vertebrates
Prevention statements:	P102 Keep out of reach of children. P103 Read label before use. P201 Obtain special instructions before use P202 Do not handle until all safety precautions have been read and understood.

Response statements:	<p>P260 Do not breathe dust/fume/gas/mist/vapors/spray P264 Wash hands, arms and face 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 and face protection.</p> <p>P101 If medical advice is needed, have product container or label at hand.</p> <p>P301+P312 IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell. P330 Rinse mouth P305+354+338 IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing P308+P313 IF exposed or concerned: Get medical advice/attention P391 Collect spillage P405 Store locked up.</p>
Storage statements:	
Disposal statement:	P501 Dispose of product and containers in accordance with local Regulations. See Section 13 for details.
Additional Label Requirements:	<p>Do not apply into or onto water. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.</p>

Section 3: Composition/information on ingredients

Chemical identity of ingredients with health or environmental hazards:

<i>Ingredient</i>	<i>CAS No.</i>	<i>Proportion</i>
MCPB *	94-81-5	357 - 393
MCPA *	94-74-6	21.3 - 28.7
Other ingredients	Proprietary	Up to 100

*Both in form as sodium salts

Section 4: First-aid measures

First aid measures:	If medical advice is needed, have product container or label at hand. For advice contact National Poisons Centre 0800 POISON [0800 764 766] or a doctor.
Ingestion:	Do NOT induce vomiting. Rinse mouth. Call a POISON CENTRE or doctor for advice if you feel unwell.
Inhalation:	Immediately move to fresh air and rest. Begin artificial respiration if the victim is not breathing. Use mouth to nose rather than mouth to mouth.
Skin contact:	Remove contaminated clothing and wash with soap and running water. If irritation persists, get medical advice.
Eye contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, get medical attention.
First aid facilities:	Provide eye baths and safety showers close to areas where product contact or splashing may occur.
Advice to doctor:	Treat symptomatically.

Section 5: Fire-fighting measures

Flammability:	Non-flammable.
Appropriate extinguishing media:	Water spray, foam, dry chemical, CO ₂ . Avoid water jet
Hazardous decomposition products:	No data available
Special protective equipment and precautions for fire-fighters:	During a fire, toxic fumes may be emitted. Wear self-contained breathing apparatus. Contain runoff.

Section 6: Accidental release measures

Personal precautions:	Wear protective clothing (overalls buttoned at wrist and neck), chemical resistant gloves and boots and chemical goggles or face shield. Contain and collect spillage. Prevent chemical contaminating drains or watercourses by activating emergency shut-off valves or using bunding. Inform appropriate authorities immediately if spill enters waterways or sewers. Prevent chemical contaminating soil. Collect spill and absorb residues with inert absorbent material such as sand, soil or clay granules. Collect into an appropriate, labelled, waste container and dispose of at an approved facility. Prevent runoff entering waterways or contaminating the soil.
Environmental precautions:	
Procedure for clean up:	

Section 7: Handling and storage

Safe handling:	Read label before use. Use only outdoors or in a well-ventilated area. Wear protective clothing; chemical goggles or a face shield, impervious gloves, overalls and boots when handling.. Wash splashes from skin immediately. Remove protective clothing and wash hands and face thoroughly before meals and after work. Wash contaminated clothing before re-use.
Safe storage:	

Store securely in original container, tightly closed and away from foodstuffs. Store in a cool dry well-ventilated area, avoiding sunlight and temperatures below -5o C and above 35o C. Storage must be in accordance with the current version of NZS8409 Management of Agrichemicals. Stores containing 100 litres of Clean & Clear 375+25 are subject to signage, containment and require an emergency response plan. When stored appropriately this product should show no significant degradation for two years from the date of manufacture. Contact your supplier for information about the use of product that is older than this.

Section 8: Exposure controls/personal protection

Occupational exposure limits:	<i>Ingredient</i>	<i>CAS No.</i>	<i>WES-TWA</i>	<i>WES-STEL</i>
	MCPB	94-81-5	-	-
	MCPA	94-74-6	-	-

Biological limit value: None set as of WorkSafe's 14th edition of WES and BEI values,

Engineering controls:	published November 2023. Use only in well-ventilated areas. If necessary, use local exhaust ventilation to keep airborne concentration below the exposure limits.
Respiratory protection:	Wear half or full mask fitted with vapour filter when mixing or applying spray.
Hand protection:	Elbow length, chemical resistant gloves (e.g. PVC, rubber, neoprene or nitrile).
Eye protection:	Goggles with side pieces or a face shield.
Skin protection:	Overalls and PVC or rubber boots.
General hygiene:	Do not eat, drink or smoke while using. Wash hands and exposed skin thoroughly with soap and water before meals and after work. Wash protective clothing daily after work.
Personal Protection:	Further information on specific types of personal protective gear and related standards is available in Section 16.

Section 9: Physical and chemical properties

(a)	Appearance:	Clear Brown liquid
(b)	Odour:	Ammonia odour
(c)	Odour threshold:	Not available.
(d)	pH:	10.5 - 12.0
(e)	Melting point/freezing point:	> 100°C
(f)	Initial boiling point and boiling range:	Not available Not applicable
(g)	Flash point:	Non-flammable
(h)	Flammability (solid, gas):	-
(i)	Upper/lower flammability or explosive limits:	Not available.
(j)	Vapour pressure:	No data available
(k)	Vapour density:	No data available
(l)	Relative density:	Ca 1.14 to 1.18
(m)	Solubility:	Soluble in water
(n)	Partition coefficient: n-octanol/water:	Not available.
(o)	Auto-ignition temperature:	Not available.
(p)	Decomposition temperature:	Not available.
(q)	Kinematic viscosity:	Not available
(r)	Particle characteristics	Not available

Section 10: Stability and reactivity

Stability of the substance:	Stable under normal storage conditions of use.
Conditions to avoid:	No information available
Incompatible materials:	Strong acids, bases and strong oxidizing agents
Hazardous decomposition products:	Carbon monoxide, carbon dioxide and smoke.

Section 11: Toxicological information

	Toxicity classifications determined by assessment of the components in the formulated mixture.
a) Acute toxicity:	Harmful if swallowed
b) Aspiration hazard:	Not classified.
c) Respiratory irritation:	Not classified
d) Skin corrosion / irritation:	None
e) Serious eye damage / irritation:	Cause serious eye damage
f) Respiratory or skin sensitisation:	Not classified.
g) Germ cell mutagenicity:	Not classified.
h) Carcinogenicity:	
i) Reproductive toxicity:	Suspected of damaging fertility or the unborn child
j) Specific organ toxicity:	May cause damage to organs through prolonged or repeated exposure.
k) Narcotic effects:	Not classified.
l) Other adverse effects:	Not classified.
m) Toxicological information MCPA & MCPB:	No information.
	Acute Oral LD50 (rat) 700-1160mg/kg for MCPA acid
	Acute Dermal LD50 (rabbit) > 4000mg/kg for MCPA acid
	Acute Inhalation: LC50 (rat) 5mg/L air for MCPA acid
	Acute Oral LD50 (rat) 4300-5300mg/kg for MCPB acid
	Acute Dermal LD50 (rabbit) > 2000mg/kg for MCPB acid
	Acute Inhalation: LC50 (rat) 1.14mg/L air for MCPB acid

Section 12: Ecological information

	Ecotoxicological classifications determined by assessment of the active ingredient.
Aquatic ecotoxicity:	Very toxic to aquatic organisms with long lasting effects. Very toxic to aquatic life with long-lasting effects
Soil ecotoxicity	Very toxic to soil flora.
Terrestrial vertebrate ecotoxicity:	Harmful to terrestrial vertebrates.
Terrestrial invertebrate ecotoxicity:	Not classified
Persistence and degradability:	DT50 (typical) 7days (MCPB) DT50 (typical) 24days (MCPA)
Potential to be bioaccumulative:	Octanol-water partition coefficient LogP = 1.31 (MCPB) = 0.81 (MCPA)
Mobility in soil.	No data available
Ecotoxicological information for active ingredient (MCPA & MCPB):	LC50 96hr (Rainbow trout) = 117-232 mg/L MCPA is practically non-toxic to freshwater invertebrates, and slightly toxic to freshwater fish. Birds: MCPA is moderately toxic to birds. Oral LD50 (Bob-white quail) = 377 mg/kg Bees: MCPA is non- toxic to bees with a reported oral LD50 of 104 µg/bee. MCPB: Acute Oral LD50 (Bobwhite quail) 282 mg/kg LC50 (96 hr) (Rainbow trout) 4.3 mg/l LC50 (48 hr) (Daphnia) 55 mg/l No toxic to bees.

Section 13: Disposal considerations

Product disposal:	Dispose of this product only by using according to the label directions or if this is not possible alternatively contact your supplier for advice.
Container disposal:	Triple rinse container and add rinsate to the spray tank. Dispose at an agricultural recycling facility or to an approved landfill. Do not burn. Do not use container for any other purpose.

Section 14: Transport information

UN number:	3082
UN proper shipping name:	Environmentally hazardous substance, Liquid N.O.S, (MCPB 37.5%, MCPA 2.5%)
UN class:	9
Packing group:	III
HAZCHEM:	3Z
Marine pollutant:	Yes
Special precautions:	This product is classified as a Dangerous Good Class 9. Consult the Land Transport Rule: Dangerous Goods 2005 and NZS 5433:2012 Transport of Dangerous Goods on Land for more information.

Section 15: Regulatory information

HSNO: Approved substance under the HSNO Act 1996.
Substance approval number: HSR000726
Tolerable exposure limit / environmental exposure limit: No limits set.
HSNO controls: See www.epa.govt.nz

Qualifications	Yes
Tracking:	No
Safety Data Sheet:	Any quantity
Restricted to workplace only:	No
Quantity that must be secured when unattended:	-
Fire extinguishers	-
Quantity for secondary containment and emergency response plan:	100L
Quantity for signage:	100L
Quantity for Location certificate	-
Records of use (3 kg or more applied to area within 24 hours)	Yes
Quantity that requires management in accordance with HSW HS Regulations	-
Hazardous Substances (Packaging) Notice 2017; Clause 9	UN Pack Group III

Additional controls: -

Additional information: Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.
Refer to WorkSafe for additional information on controls in the workplace; www.worksafe.govt.nz.

ACVM: Registered under the Agricultural Compounds Veterinary Medicines Act 1997.

Registration number: P10213
Conditions of registration: See www.foodsafety.govt.nz

Section 16: Other information

Date of issue: 01/12/2025
Reason for reissue: Updated label
Replaces: Not applicable

Information references: Supplier Safety Data Sheet
NZ EPA Approved hazardous substances databases.
Workplace Exposure Standards and Biological Exposure Indices

Abbreviations: ACVM: Agricultural Chemicals and Veterinary Medicines Group
Bw: Bodyweight.

HSNO: Hazardous substances and New Organisms Act 1996
(HSNO Act)

EPA: Environmental Protection Authority of New Zealand

CAS Number: Chemical Abstracts Service Number

LD50: Lethal Dose 50% (Population)

LC50: Lethal Concentration 50% (Population)

WES-TWA: Workplace exposure standards – Time-weighted
average

WES-STEL: Workplace exposure standards – Short-term
exposure limit

Personal Protection
Standards:

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**

The data provided in this safety data sheet is based on current knowledge and experience. The purpose of this document is to describe the product in terms of its safety requirements. The above details do not imply any guarantee concerning composition, properties or performance of the product.