

PARAMOUNT 250

Section 1: Identification

Product name:	Paramount 250
Other names:	250 g/litre paraquat as the dichloride salt as a soluble concentrate.
Recommended use:	For weed control in clover seed and lucerne crops, drains, forestry nurseries, waterways and the control of barley grass. Paraquat is restricted to only horticultural and agricultural use. Some biosecurity use is allowed with permission.
Manufacturer/Importer details:	AgStar New Zealand Pty Ltd 4 Putakitaki Street, Lincoln, Christchurch 7608 TEL 027 483 9756
24 hour emergency contact:	0800 CHEMCALL (0800 243622)
National Poisons Centre:	0800 POISON (0800 764766)

Section 2: Hazard identification

HSNO Approval: Hazardous classification:	Product is classified as hazardous according to the Hazardous Substances (Hazard Classification) Notice 2020 of the HSNO Act, 1996. HSR000828 Acute toxicity (oral) Category 3, Acute toxicity (inhalation) Category 2, Skin irritation Category 2, Eye irritation Category 2, Specific target organ toxicity (repeated exposure) (Category 1, Hazardous to the aquatic environment (acute) Category 1, Hazardous to the aquatic environment (chronic) Category 1, Hazardous to terrestrial vertebrates, Hazardous to terrestrial invertebrates.
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Pictograms:



DANGER

Signal word:	H301: Toxic if swallowed. H330: Fatal if inhaled.
Hazard statements:	H315: Causes skin irritation. H319: Causes serious eye irritation. H372: Causes damage to organs through prolonged or repeated exposure. H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long-lasting effects. Toxic to terrestrial vertebrates and invertebrates

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Prevention statements:	P102 Keep out of reach or children. P103 Read label before use. P264 Wash hands, arms and face thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P260 Do not breathe dust/fume/gas/mist/vapours/spray P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protective P234 Keep only in original packaging
Response statements:	P101 If medical advice is needed, have product container or label at hand. P301 + P310: IF SWALLOWED: Immediately call a poison center or doctor/physician. P330: Rinse mouth. P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. P316 Get emergency medical help immediately P321 First aid measures described in section 4 P301+P317 IF SWALLOWED: Get medical help P330 Rinse mouth P302+P352 IF ON SKIN: Wash with plenty water P332+P317 If skin irritation occurs: Get medical help P362+P364 Take off contaminated clothing and wash it before reuse P319 Get medical help if you feel unwell P390 Absorb spillage to prevent material damage P391 Collect spillage
Storage statements:	-
Disposal statement:	P501 Dispose of product and containers in accordance with local Regulations. See Section 13 for details.
Additional Label Requirements:	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.

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>
Paraquat	1910-42-5	250g/L
Other ingredients	Proprietary	To 100%

* In the form of Paraquat dichloride salt.

Section 4: First-aid measures

First aid measures:	If medical advice is needed, have product container or label at hand. SYMPTOMS OF POISONING: Immediate symptoms of poisoning may include vomiting. This may be followed by pain and swelling of the mouth and throat, abdominal pain and diarrhea. Immediately contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor. IF POISONING IS SUSPECTED, RUSH VICTIM TO THE NEAREST HOSPITAL AFTER ALERTING THEM BY
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TELEPHONE.	
Ingestion:	Rinse mouth. Do NOT induce vomiting. Take to the nearest hospital immediately after alerting them by telephone.
Inhalation:	Remove to fresh air and keep at rest in a position comfortable for breathing. If breathing has stopped, DO NOT USE DIRECT MOUTH TO MOUTH METHOD. Use alternative respiratory or proper respiratory device. Take to the nearest hospital immediately after alerting them by telephone.
Skin contact:	Take off contaminated clothing and wash before reuse. Wash the affected area with water and soap. If skin irritation occurs, get medical advice/attention.
Eye contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. If eye irritation occurs, get medical advice/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 fog or fine spray
Hazardous decomposition products:	During heating or in case of fire oxides of carbon, nitrogen, nitrogen oxides, other nitrogen compounds, hydrogen cyanide, hydrogen chloride, other chlorine compounds, smoke and water may be produced. The product is not combustible
Special protective equipment and precautions for fire-fighters:	In the event of fire, wear self-contained breathing apparatus. Remove product from areas of fire, or otherwise cool containers with water in order to avoid pressure being built up due to heat. Prevent run-off from contaminating drains, sewers or waterways. Inform appropriate authorities immediately if product or run-off enters waterways.
HAZCHEM code:	2X
Section 6: Accidental release measures	
Personal precautions:	Avoid contact with skin, eyes and inhalation of spray mist. When mixing and applying wear full protective clothing such as impervious gloves, eye protection, respirator, waterproof hat, coat and trousers (worn outside rubber boots).
Environmental precautions:	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.
Procedure for clean up:	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.
Section 7: Handling and storage	

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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:	Paramount 250 must be secured from access by persons other than a certified handler. Store locked up in the original, container tightly closed and in a dry, cool, well-ventilated area, out of direct sunlight and away from stockfeed, foodstuffs or seeds. There are requirements when storing this product in a workplace, relating to labelling, safety data sheets, stationary container systems, separation distances, secondary containment, emergency response plans, and signage. Secondary containment, signage and an emergency response plan are required where 100 L or more of this product are stored

Section 8: Exposure controls/personal protection

Occupational exposure limits:	<table><tr><th><i>Ingredient</i></th><th><i>CAS No.</i></th><th><i>WES-TWA</i></th><th><i>WES-STEL</i></th></tr><tr><td>Paraquat</td><td>4685-14-7</td><td>0.1 mg/m³</td><td>-</td></tr></table>	<i>Ingredient</i>	<i>CAS No.</i>	<i>WES-TWA</i>	<i>WES-STEL</i>	Paraquat	4685-14-7	0.1 mg/m ³	-
<i>Ingredient</i>	<i>CAS No.</i>	<i>WES-TWA</i>	<i>WES-STEL</i>						
Paraquat	4685-14-7	0.1 mg/m ³	-						
Biological limit value:	None set as of WorkSafe's 14 th edition of WES and BEI values, published November 2023.								
Engineering controls:	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:	Blue to blue-green clear transparent liquid
(b)	Odour:	Non-specific
(c)	Odour threshold:	Not available.
(d)	pH:	5.0 – 7.0.
(e)	Melting point/freezing point:	Not available.

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(f)	Initial boiling point and boiling range:	Not available
(g)	Flash point:	No data available
(h)	Flammability (solid, gas):	Not applicable.
(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. 1.17
(m)	Solubility:	Miscible 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 applicable.

Section 10: Stability and reactivity

Stability of the substance:	Stable under normal conditions of storage and use.
Conditions to avoid:	Avoid direct sunlight; avoid generation of dust and excessive heat.
Incompatible materials:	Incompatible with strong oxidising materials.
Hazardous decomposition products:	Hazardous decomposition products depend upon temperature, air supply and the presence of other materials. Hydrogen chloride and toxic oxides of nitrogen are released when the product decomposes on heating.

Section 11: Toxicological information

	Toxicity classifications determined by assessment of the components in the formulated mixture.
a) Acute toxicity:	Toxic if swallowed. Fatal if inhaled.
b) Aspiration hazard:	Not classified.
c) Respiratory irritation:	Not classified.
d) Skin corrosion / irritation:	Cause skin irritation.
e) Serious eye damage / irritation:	Cause serious eye irritation.
f) Respiratory or skin sensitisation:	Not classified.
g) Germ cell mutagenicity:	Not classified.
h) Carcinogenicity:	Not classified.
i) Reproductive toxicity:	Not classified.
j) Specific organ toxicity:	Cause damage to organs through prolonged or repeated

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<p>k) Narcotic effects:</p> <p>l) Other adverse effects:</p> <p>m) Toxicological information for Paraquat:</p>	<p>exposure.</p> <p>Not classified.</p> <p>No information.</p> <p>Acute Oral LD50 (rat) 110mg/kg</p> <p>Acute Dermal LD50 (rat) 200mg/kg</p> <p>Acute inhale LC50 (rat) 0.6mg/L</p>
<p>Section 12: Ecological information</p>	
<p>(a) Aquatic ecotoxicity:</p> <p>(b) Soil ecotoxicity</p> <p>(c) Terrestrial vertebrate ecotoxicity:</p> <p>(d) Terrestrial invertebrate ecotoxicity:</p> <p>(e) Persistence and degradability:</p> <p>(f) Potential to be bioaccumulative:</p> <p>(g) Mobility in soil.</p> <p>(h) Ecotoxicological information for active ingredient Paraquat:</p>	<p>Ecotoxicological classifications determined by assessment of the active ingredient.</p> <p>Very toxic to aquatic life and with long lasting effects.</p> <p>Not classified</p> <p>Toxic to terrestrial vertebrates.</p> <p>Toxic to terrestrial invertebrates.</p> <p>DT50 (Typical) 3000 days.</p> <p>Bioaccumulation is not expected to occur.</p> <p>Paraquat strongly adsorbs to soil particles, and so has low mobility in soils</p> <p>LC50 (96 hr) (oncorhynchus mykissl) 19mg/L</p> <p>LC50 (48 hr) (Daphnia) 4.4 mg/l</p> <p>Acute Oral LD50 (Bee) >9.06 µg/bee (moderately toxic)</p>
<p>Section 13: Disposal considerations</p>	
<p>Product disposal:</p> <p>Container disposal:</p>	<p>Dispose of this product only by using according to the label, or through the an agricultural recycling service or other approved facility. Do not burn product or container.</p> <p>Triple rinse empty container and add rinsate to spray tank. Submit clean empty container to an agricultural recycling facility for recycling. Alternatively, puncture and bury in a suitable landfill.</p>
<p>Section 14: Transport information</p>	
<p>UN number:</p> <p>UN proper shipping name:</p> <p>UN class:</p> <p>Packing group:</p> <p>HAZCHEM:</p> <p>Marine pollutant:</p> <p>Special precautions:</p>	<p>3016</p> <p>BIPYRIDILIUM PESTICIDE, LIQUID, TOXIC. (Paraquat 25%)</p> <p>6.1</p> <p>III</p> <p>2X</p> <p>Yes</p> <p>-</p> <p>This product is classified as a Dangerous Good Class 6.1. Consult the Land Transport Rule: Dangerous Goods 2005 and NZS 5433:2012 Transport of Dangerous Goods on Land for more</p>

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information.

Section 15: Regulatory information

HSNO:	Approved substance under the HSNO Act 1996.																								
Substance approval number:	HSR000828																								
Tolerable exposure limit / environmental exposure limit:	No limits set.																								
HSNO controls:	See www.epa.govt.nz																								
	<table> <tr> <td>Qualifications</td><td>Yes</td></tr> <tr> <td>Tracking:</td><td>Yes</td></tr> <tr> <td>Safety Data Sheet:</td><td>Any quantity</td></tr> <tr> <td>Restricted to workplace only:</td><td>Yes</td></tr> <tr> <td>Quantity that must be secured when unattended:</td><td>-</td></tr> <tr> <td>Fire extinguishers</td><td>-</td></tr> <tr> <td>Quantity for secondary containment and emergency response plan:</td><td>100 L</td></tr> <tr> <td>Quantity for signage:</td><td>100 L</td></tr> <tr> <td>Quantity for Location certificate</td><td>-</td></tr> <tr> <td>Records of use (3 kg or more applied to area within 24 hours)</td><td>Yes</td></tr> <tr> <td>Quantity that requires management in accordance with HSW HS Regulations</td><td>-</td></tr> <tr> <td>Hazardous Substances (Packaging) Notice 2017; Clause 9</td><td>UN Pack Group III</td></tr> </table>	Qualifications	Yes	Tracking:	Yes	Safety Data Sheet:	Any quantity	Restricted to workplace only:	Yes	Quantity that must be secured when unattended:	-	Fire extinguishers	-	Quantity for secondary containment and emergency response plan:	100 L	Quantity for signage:	100 L	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
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Additional information:	<p>Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.</p> <p>Refer to WorkSafe for additional information on controls in the workplace; www.worksafe.govt.nz.</p>																								
ACVM:	Registered under the Agricultural Compounds Veterinary Medicines Act 1997.																								
Registration number:	P10249																								
Conditions of registration:	See www.foodsafety.govt.nz																								

Section 16: Other information

Date of issue:	30/03/2025
Reason for reissue:	Updated label
Replaces:	Not applicable
Information references:	<p>Supplier Safety Data Sheet</p> <p>NZ EPA Approved hazardous substances databases.</p> <p>Workplace Exposure Standards and Biological Exposure Indices</p>

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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.