

1. PRODUCT & COMPANY IDENTIFICATION

Product Name	GrassMate XTRA
Substance Identification	Triclopyr 300g/L, Picloram 100g/L, Aminopyralid 10g/L. (CAS 64700-56-7, 1918-02-1, 150114-71-9)
Recommended Use	For the control of a wide range of brushweeds. For use by agricultural contractors, pastoral farmers and land managers.
Restrictions on Use	Use strictly in accordance with the product label and ACVM registration requirements. Not for human or animal consumption. Not for use on food crops.
Company Details	Rainbow & Brown Limited 68A Tallyho Street, Rotorua, New Zealand PO Box 10049, Mail Centre, Rotorua, 3046
Web Address	www.rainbowbrown.co.nz
Email Address	mail@rainbowbrown.co.nz
Telephone	(07) 350 2009 (office hours), 0508 299 299 (free phone, office hours)
After Hours	+64 27 498 2574
Emergency Telephone	0800 CHEMCALL (0800 243 622) - 24 hours, 7 days
National Poisons Centre	0800 POISON (0800 764 766) - 24 hours
Date of Issue	17/04/2026
Expiry / Review Date	17/04/2031
Version	1.0

2. HAZARD IDENTIFICATION

This product is classified as hazardous in accordance with the Hazardous Substances (Classification) Notice 2020 (GHS 7th Revision).

EPA Approval No.	HSR007630
Signal Word	WARNING
GHS Pictograms	

Hazard Classification

GHS Classification & Category	HSNO Classification	H-Code	Hazard Statement
Flammable Liquid, Category 4	3.1D	H227	Combustible liquid.
Acute Oral Toxicity, Category 4	6.1D	H302	Harmful if swallowed.
Eye Irritation, Category 2	6.4A	H319	Causes serious eye irritation.
Skin Sensitisation, Category 1	6.5B	H317	May cause an allergic skin reaction.
Specific Target Organ Toxicity - Repeated Exposure, Cat 2	6.9B	H373	May cause damage to organs through prolonged or repeated exposure (route of exposure: oral).
Hazardous to the Aquatic Environment - Acute, Category 1	9.1A	H400	Very toxic to aquatic life.
Hazardous to the Aquatic Environment - Chronic, Category 1	9.1A	H410	Very toxic to aquatic life with long lasting effects.
Hazardous to Soil Organisms	9.2B	N/A	Hazardous to soil organisms.
Hazardous to Terrestrial Vertebrates	9.3B	N/A	Hazardous to terrestrial vertebrates.

Precautionary Statements

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label before use.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260	Do not breathe vapours/spray.
P264	Wash contacted areas thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Response Code	Response Statement
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314	Get medical advice/attention if you feel unwell.
P321	Specific treatment: see Section 4 First Aid of this SDS.
P330	Rinse mouth.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P370 + P378	In case of fire: Use carbon dioxide, dry chemical, foam or water fog.
P391	Collect spillage.

Storage Code	Storage Statement
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

Disposal Code	Disposal Statement
P501	Dispose of contents/container in accordance with the EPA Hazardous Substances (Disposal) Notice 2017. Refer to Section 13 of this SDS.

Other hazards not giving rise to a classification: None known.

3. COMPOSITION / INFORMATION ON INGREDIENTS

This product is a mixture. Ingredients present at or above the cut-off concentrations specified in the EPA Hazardous Substances (Safety Data Sheets) Notice 2017 Schedule Part B are listed below.

Ingredient	CAS Number	Proportion
Triclopyr (as butoxyethyl ester)	64700-56-7	30% w/v
Picloram (present as hexyloxypropylamine salt)	1918-02-1	10% w/v

Ingredient	CAS Number	Proportion
Aminopyralid (present as hexyloxypropylamine salt)	150114-71-9	0.8% w/v
Inert ingredients (details withheld as trade secret)	Various	To 100% w/v

4. FIRST-AID MEASURES

If medical advice is needed, have the product container or label at hand. For advice call the National Poisons Centre (0800 POISON, 0800 764 766) or a Doctor.

Eye Contact	Flush eyes immediately with plenty of clean, gently flowing water for at least 15 minutes while holding the eyelids open. Remove contact lenses after the first 5 minutes if easy to do, then continue rinsing. Seek medical attention if irritation or redness persists.
Skin Contact	Remove contaminated clothing immediately. Wash skin thoroughly with plenty of soap and water. Discard contaminated non-waterproof clothing. Wash contaminated protective clothing before re-wearing. Seek medical attention if signs or symptoms described in Section 11 occur.
Ingestion	Do NOT induce vomiting. Rinse mouth with water. Seek medical advice immediately. Call the National Poisons Centre (0800 764 766) or a doctor. If conscious, give water to drink.
Inhalation	Remove person to fresh air immediately. If breathing is difficult, provide oxygen if available and trained to do so. Seek medical attention if discomfort, breathing difficulty, or irritation continues.
Workplace Facilities	Hand wash basin with soap. Eye wash station.
Advice to Doctor	Treat symptomatically. No specific antidote is known. Refer to hazard classification in Section 2.
National Poisons Centre	0800 POISON (0800 764 766) - 24 hours

Most important symptoms and effects (acute and delayed)

Eye Contact	Redness, tearing, serious eye irritation. May cause moderate eye irritation on contact.
Skin Contact	Irritation, possible allergic skin reaction (sensitisation with repeated exposure).

Ingestion	Harmful if swallowed. May cause nausea, vomiting, gastrointestinal discomfort.
Inhalation	Irritation to the respiratory tract if spray mist is inhaled. Avoid prolonged or repeated exposure.
Chronic Effects	Prolonged or repeated oral exposure may cause damage to organs.

5. FIRE-FIGHTING MEASURES

Fire and Explosion Hazard	Combustible liquid. May produce irritating or toxic vapours under fire conditions.
HAZCHEM Code	2X
ERP Guide No.	47
Appropriate Extinguishing Media	Water spray (fog), alcohol-resistant foam, dry chemical powder, or carbon dioxide (CO ₂).
Unsuitable Extinguishing Media	High-velocity water jet directly onto burning liquid (may spread fire).
Combustion Products	Carbon monoxide, carbon dioxide, nitrogen oxides (NO _x), and other organic vapours.
Fire-Fighting Instructions	Wear full protective clothing and self-contained breathing apparatus (SCBA). Approach fire from upwind. Use water spray to cool containers exposed to fire. Contain fire-fighting water runoff. Do not allow runoff to reach drains, waterways, or soil - product is acutely toxic to aquatic organisms. Evacuate area of all non-essential personnel.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear personal protective equipment as described in Section 8. Keep unprotected persons away. Ventilate area. Avoid contact with skin, eyes, and clothing. Do not breathe vapours from spilled product.
Environmental Precautions	Prevent the product or spilled material from entering drains, waterways, or soil. Product is very toxic to aquatic organisms. On-site disposal of concentrate is not acceptable. Notify relevant authorities if spillage enters waterways or drains.
Containment and Clean-Up	Absorb liquid spills with inert material such as dry earth, sand, or vermiculite. Do not use sawdust. Place absorbed material into labelled, sealable containers for disposal per Section 13. Wash area with detergent and water and absorb with further inert material.

	Collect spillage (P391). Dispose of safely in accordance with Section 13.
Reference to Other Sections	See Section 8 for PPE requirements; Section 13 for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling	Read the product label before use. Avoid contact with skin, eyes, and clothing. Do not inhale spray mist or concentrate vapours. When using, do not eat, drink or smoke. Wash face and hands thoroughly before eating, drinking, or smoking. Use in well-ventilated areas. Wear appropriate PPE as described in Section 8.
Conditions for Safe Storage	Store in the original, tightly closed container in a dry, well-ventilated area, as cool as possible and out of direct sunlight. Store under lock and key. Keep out of reach of children. Keep away from food, drink, animal feedstuffs, medicines, fertilisers, fungicides, insecticides, seeds, and other Hazardous Substances of Classes 1, 4, and 5. Storage must be in accordance with NZS 8409:2021 Management of Agrichemicals and any applicable local or regional council requirements.
Handler Competence	Persons responsible for the storage, handling, mixing, applying, or disposing of this product must be either a Certified Handler (as defined in the Health and Safety at Work (Hazardous Substances) Regulations 2017), or trained, experienced, or supervised in accordance with the requirements for class 6 and 9 substances of those Regulations (Part 4, Subpart C) and the Hazardous Substances (Hazardous Property Controls) Notice 2017 Part 4 Subpart C.
Tracking and Record-Keeping	Tracking is not required. Keep records of use in accordance with NZS 8409:2021.
Fire Extinguishers	Where 500 L or more of this product (HSNO class 3.1D) is stored or used at any one place, 2 fire extinguishers must be provided. Each extinguisher must: (a) be capable of extinguishing a fully ignited pool of flammable liquid 50 mm deep and at least 6 m² in area; and (b) be located within 30 m travel distance of the storage or use area. Refer to clauses 47–49 of the Site and Storage Conditions for Class 3.1 Flammable Liquids (July 2006).
Additional Requirements	All aspects of storage, handling, use, disposal and record-keeping must be in accordance with NZS 8409:2021 'Management of Agrichemicals' and relevant local and regional council plans.
Incompatibilities	Keep away from other Hazardous Substances of Classes 1, 4, and 5. No other specific incompatibilities identified under normal storage conditions.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Workplace Exposure Standards	No value assigned for this formulated product by the NZ EPA or WorkSafe NZ. Refer to WorkSafe NZ Workplace Exposure Standards (WKS-5) for any individual components where applicable.
Tolerable Exposure Limit (TEL)	None established.
Environmental Exposure Limit (EEL)	None established.
Engineering Controls	Handle in well-ventilated areas. Use closed systems where practicable. Ensure general or local exhaust ventilation is sufficient to keep airborne concentrations below relevant exposure limits.
Respiratory Protection	Wear respiratory protection with an organic vapour cartridge (minimum specification) when mixing or applying the concentrate. Compliant with AS/NZS 1716. A full-face respirator provides added protection.
Skin Protection	Wear chemical-resistant coveralls, and elbow-length PVC or nitrile gloves. Wear chemical-resistant boots. Compliant with AS/NZS 2161. If product contacts skin, immediately wash with soap and water.
Eye Protection	Wear a face shield or chemical splash goggles compliant with AS/NZS 1337. Safety glasses are not considered adequate for splash protection when handling concentrate.
General Hygiene	After each use, and before eating, drinking, or smoking, wash hands, arms, and face thoroughly with soap and water. Wash protective clothing, gloves, and face shield/goggles before reuse. Do not allow contaminated work clothing to leave the workplace.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance / Physical State	Liquid
Colour	Brown
Odour	No data available
Odour Threshold	No data available
pH	No data available
Melting Point / Freezing Point	No data available
Initial Boiling Point and Boiling Range	> 200 degrees C
Flash Point	> 60 degrees C (combustible liquid, not flammable)
Evaporation Rate	No data available

Flammability (liquid)	Combustible liquid (Flammable Liquid Category 4, HSNO 3.1D)
Upper / Lower Flammability or Explosive Limits	No data available
Vapour Pressure	No data available
Vapour Density	No data available
Relative Density	1.150 +/- 0.01 at 20 degrees C
Water Solubility / Miscibility	Forms emulsion with water
Partition Coefficient: n-Octanol/Water	No data available (mixture)
Auto-ignition Temperature	No data available
Decomposition Temperature	No data available
Kinematic Viscosity	No data available
Particle Characteristics	Property does not apply (liquid)
Oxidising Properties	Not oxidising
Explosive Properties	Not explosive

10. STABILITY AND REACTIVITY

Reactivity	No specific reactivity hazard under normal conditions of storage, handling and use.
Chemical Stability	Stable under normal conditions of storage and handling.
Possibility of Hazardous Reactions	Hazardous polymerisation will not occur. No hazardous reactions known under normal conditions.
Conditions to Avoid	Extremes of temperature, direct sunlight, sources of ignition (combustible liquid). Do not store near heat sources.
Incompatible Materials	No incompatibilities reasonably foreseeable under normal conditions. Keep away from oxidising agents, strong acids, and strong bases.
Hazardous Decomposition Products	Thermal decomposition may produce carbon oxides, nitrogen oxides (NOx), and other organic decomposition products.

11. TOXICOLOGICAL INFORMATION

This section describes effects which could occur if this material is not handled in accordance with this data sheet and label instructions.

Acute Toxicity - Oral	Acute Oral LD50 (rats): > 2000 mg/kg bw
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	Classification: Acute Oral Toxicity Category 4 (H302 - Harmful if swallowed).
Acute Toxicity - Dermal	Acute Dermal LD50 (rabbit): > 2000 mg/kg bw Classification: Not classified by dermal route at these concentrations.
Acute Toxicity - Inhalation	LC50: Not determined. Avoid inhalation of spray mist.
Skin Corrosion / Irritation	May cause slight skin irritation. Not classified as a skin corrosive.
Serious Eye Damage / Eye Irritation	May cause moderate to serious eye irritation. Classification: Eye Irritation Category 2 (H319 - Causes serious eye irritation).
Respiratory Sensitisation	No relevant data available. Not classified as a respiratory sensitiser.
Skin Sensitisation	May cause allergic skin reaction when tested in guinea pigs with active ingredients. Classification: Skin Sensitisation Category 1 (H317 - May cause an allergic skin reaction).
Germ Cell Mutagenicity	No mutagenic effects identified. Not classified.
Carcinogenicity	No carcinogenic effects identified. Not classified.
Reproductive Toxicity	No reproductive effects identified. Not classified.
Specific Target Organ Toxicity - Single Exposure	Not classified based on available data.
Specific Target Organ Toxicity - Repeated Exposure	Classification: STOT Repeated Exposure Category 2 (H373 - May cause damage to organs through prolonged or repeated exposure, route: oral). Specific target organ not identified.
Aspiration Hazard	No data available. Not classified.
Potential Health Effects - Eyes	Serious eye irritation on direct contact.
Potential Health Effects - Skin	Skin irritation; potential sensitisation with repeated exposure.
Potential Health Effects - Ingestion	Harmful if swallowed. Gastrointestinal irritation possible.
Potential Health Effects - Inhalation	Irritation to respiratory tract from prolonged inhalation of spray mist. Avoid repeated exposure.

12. ECOLOGICAL INFORMATION

This section describes effects which could occur if this material is not handled in accordance with this data sheet.

Ecotoxicity

Ecotoxicity - Aquatic	Product is classified as very toxic to aquatic life (acute and chronic). The following data is presented for the active ingredients: Triclopyr (butoxyethyl ester): Acute toxicity to fish - LC50 (96hr, Bluegill sunfish): 0.36 mg/L; LC50 (96hr, Fish): 0.310 mg/L Acute toxicity to invertebrates - EC50 (48hr, Daphnia magna): 2.9 mg/L Acute toxicity to algae/aquatic plants - ErC50 (96hr): > 3.0 mg/L; ErC50 (14d, Myriophyllum spicatum): 0.0473 mg/L; NOEC (14d): 0.00722 mg/L Picloram: Acute toxicity to fish - LC50 (96hr, Rainbow trout): 8.8 mg/L Acute toxicity to invertebrates - EC50 (48hr, Daphnia magna): 44.2 mg/L Acute toxicity to algae/aquatic plants - ErC50 (96hr): > 78.7 mg/L; ErC50 (14d, Myriophyllum spicatum): 0.558 mg/L; NOEC (14d): 0.0095 mg/L Aminopyralid: Acute toxicity to fish - LC50 (96hr, Rainbow trout): > 100 mg/L Acute toxicity to invertebrates - EC50 (48hr, Daphnia magna): > 100 mg/L; EC50 (96hr, Crassostrea virginica): > 89 mg/L Acute toxicity to algae/aquatic plants - ErC50 (14d, Myriophyllum spicatum): 0.363 mg/L; NOEC (14d): 0.0639 mg/L
Ecotoxicity - Terrestrial	Product is classified as hazardous to soil organisms (9.2B) and hazardous to terrestrial vertebrates (9.3B). Avoid release to terrestrial environment. Do not apply near non-target vegetation or sensitive terrestrial habitats.

Persistence, Degradability and Bioaccumulation

Persistence and Degradability	Triclopyr-2-butoxyethyl ester: Chemical degradation (hydrolysis) expected in the environment. Material expected to biodegrade very slowly. Fails OECD/EEC tests for ready biodegradability. Hydrolysis half-life: 8.7 days at pH 7 (25 degrees C). Atmospheric half-life (photodegradation): approx. 5.6 hours. Picloram: Not readily biodegradable by OECD test guidelines. Biodegradation may occur aerobically. Hydrolysis half-life: > 1.8 years (pH 5-9, 45 degrees C). Atmospheric half-life (photolysis): approx. 12.5 hours. Aminopyralid: Not readily biodegradable by OECD test guidelines. Stable to hydrolysis at pH 5-9. Atmospheric half-life (photolysis): approx. 6.4 days.
Bioaccumulative Potential	Triclopyr-2-butoxyethyl ester: Moderate bioconcentration potential (BCF: 110 in fish; log Pow: 4.62). Picloram: Low bioconcentration potential (BCF: 0.54 in Bluegill sunfish; log Pow: -1.92). Aminopyralid: Low bioconcentration potential (log Pow: -2.87).

Mobility in Soil	Triclopyr butoxyethyl ester hydrolyses in the environment. Picloram is mobile in soils and may leach to groundwater. Aminopyralid is also mobile in soils. Avoid application near waterways, drains, or sensitive areas.
Results of PBT and vPvB Assessment	Triclopyr butoxyethyl ester: Moderate bioconcentration potential but does not meet criteria for PBT or vPvB designation. Picloram and Aminopyralid: Low bioaccumulation potential.
Other Adverse Effects	Product is a MARINE POLLUTANT. Very toxic to aquatic organisms with long lasting effects. Avoid contamination of water bodies, drains, or soil. Picloram is noted to persist in the environment; avoid use near sensitive waterways or downslope from vulnerable ecosystems.
Environmental Exposure Limit (EEL)	None established.

13. DISPOSAL CONSIDERATIONS

Product Disposal	Dispose of this product only by using it in accordance with the product label, or by delivering to an approved waste disposal facility or licensed contractor. Disposal must be in accordance with the EPA Hazardous Substances (Disposal) Notice 2017 and relevant local and regional council requirements. Do not pour down drains, into waterways, or onto the ground. For advice on disposal of large quantities, contact Rainbow & Brown Ltd.
Container Disposal	Ensure the container is empty. Triple rinse the empty container and add the rinsate to the spray tank. Recycle the empty container through Agrecovery (0800 247 326, www.agrecovery.co.nz). If recycling is not available, crush and submit to an approved waste receival facility. DO NOT reuse this container for any other purpose.
Special Precautions	Prevent disposal waste from entering drains, waterways, or soil. On-site disposal of concentrate is not acceptable.
Disposal Methods to Avoid	Do not burn. Do not bury. Do not pour into drains or waterways.

14. TRANSPORT INFORMATION

This product is classified as a Dangerous Good for transport purposes.

UN Number	3082
UN Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains Triclopyr, Picloram and Aminopyralid)
Transport Hazard Class	9

Subsidiary Risk	None
Packing Group	III
Environmental Hazards	MARINE POLLUTANT
MTQ (Non-Commercial)	250 L
HAZCHEM Code	2X
Special Precautions for User	Keep away from food, drink and animal feeding stuffs. Handle in accordance with good industrial hygiene and safety practice. Transport in a manner that prevents damage to the container. Ensure the container is properly closed and secure during transport.
Transport Regulations	Transport in accordance with NZS 5433:2012 Transport of Dangerous Goods on Land and the NZ Land Transport Rule: Dangerous Goods 2005.

15. REGULATORY INFORMATION

HSNO Approval No.	HSR007630
Hazard Classification Basis	Classified in accordance with the Hazardous Substances (Classification) Notice 2020 (GHS 7th Revision).
ACVM Registration No.	P010476
ACVM Act 1997	This product is registered under the Agricultural Compounds and Veterinary Medicines Act 1997. Use in accordance with ACVM label requirements.
Tolerable Exposure Limit (TEL)	None established.
Environmental Exposure Limit (EEL)	None established.
Certified Handler	A Certified Handler (as defined under the Health and Safety at Work (Hazardous Substances) Regulations 2017) is required for persons storing, handling, mixing, applying, or disposing of this product, unless trained, experienced, or supervised in accordance with Regulations Part 4 Subpart C for class 6 and 9 substances.
Tracking	Tracking is not required for this product.
Record-Keeping	Keep records of use in accordance with NZS 8409:2021.
Compliance / Location Certificate	Not required.
Signage	Hazardous substance signage is required at any place where the aggregate quantity of this product (3.1D or 6.1D) reaches or exceeds 10,000 L. Signage must be posted at every vehicular and pedestrian access to the building or outdoor area where the product is held, and must state that hazardous substances are

	present, describe the type of hazard, and advise the action to take in an emergency. Refer to clause 69–70, Table 11, Site and Storage Conditions for Class 3.1 Flammable Liquids, and the Health and Safety at Work (Hazardous Substances) Regulations 2017.
Emergency Response Plan	An emergency response plan is required if the aggregate quantity of this product exceeds: 1,000 L (based on HSNO class 6.1D) or 10,000 L (based on HSNO class 3.1D). The lower threshold applies. PCBU must also maintain secondary containment at these thresholds. Refer to clauses 50–58, Table 10, Site and Storage Conditions for Class 3.1 Flammable Liquids, and the Health and Safety at Work (Hazardous Substances) Regulations 2017.
Secondary Containment	Secondary containment is required at the same quantity thresholds as the emergency response plan (above). The capacity of the secondary containment system must be calculated in accordance with clauses 59–63 of the Site and Storage Conditions for Class 3.1 Flammable Liquids, depending on container size and whether above or below ground.
Training Requirements	All workplace personnel involved in the handling of this substance must receive information, training, and instruction on safe handling and PPE requirements, and be adequately supervised, in accordance with Regulations 4.5 and 4.6 of the Health and Safety at Work (Hazardous Substances) Regulations 2017.
PCBU Inventory	This substance must be recorded on the PCBU's hazardous substances inventory under Regulation 3.1 of the Health and Safety at Work (Hazardous Substances) Regulations 2017.
International Agreements	Not covered by the Montreal Protocol, Stockholm Convention, or Rotterdam Convention.
Other Requirements	All significant ingredients are compliant with the NZ Inventory of Chemicals (NZIoC). Storage, handling, and use must comply with NZS 8409:2021 'Management of Agrichemicals' and relevant local and regional council plans.

16. OTHER INFORMATION

SDS Issue Date	17/04/2026
Previous Version	N/A - New product SDS
This Version	Version 1.0 - 17 April 2026
Reason for Revision	New Safety Data Sheet prepared for GrassMate XTRA, an agrichemical product registered by Rainbow & Brown Ltd.
Next Review Due	17/04/2031
Prepared By	Rainbow & Brown Ltd

Sources of Data	Product technical records held by Rainbow & Brown Ltd; NZ EPA Chemical Classification and Information Database (CCID); WorkSafe NZ Workplace Exposure Standards (WKS-5, 13th Edition); NZ Inventory of Chemicals (NZIoC).
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Glossary of Abbreviations

ACVM	Agricultural Compounds and Veterinary Medicines group of the Ministry of Primary Industries
CAS	Chemical Abstract Service
DT50	Time (days) for 50% reduction in concentration
EC50	Concentration required to produce an effect in 50% of organisms
EEL	Environmental Exposure Limit
EPA	Environmental Protection Authority
GHS	Globally Harmonised System of Classification and Labelling of Chemicals
HSNO	Hazardous Substances and New Organisms Act 1996
IARC	International Agency for Research on Cancer
Koc	Organic carbon partition coefficient
LC50	Lethal Concentration in air or water for 50% of test organisms
LD50	Lethal Dose for 50% of test organisms
NOEL	No Observable Effect Level
NZIoC	New Zealand Inventory of Chemicals
PBT	Persistent, Bioaccumulative and Toxic
PPE	Personal Protective Equipment
SCBA	Self-Contained Breathing Apparatus
STEL	Short Term Exposure Limit
TEL	Tolerable Exposure Limit
TWA	Time Weighted Average - average concentration of a chemical in air over a total exposure time (usually 8 hours)
vPvB	very Persistent, very Bioaccumulative
WES	Workplace Exposure Standard (set by WorkSafe NZ)

Rainbow & Brown Ltd Safety Data Sheet Disclaimer

This Safety Data Sheet has been prepared by Rainbow & Brown Ltd and summarises information on this product and safe handling procedures. The information represents Rainbow & Brown's current understanding of appropriate safety and handling precautions at the time of issue.

Users must ensure they are working with the most current version of this SDS and should familiarise themselves with both the product label and this document. Each user should consider this information in the context of their specific handling and use of the product, including when used in conjunction with other products.

While Rainbow & Brown Ltd has exercised due care to include accurate and up-to-date information, no warranty is provided as to the accuracy, completeness, or suitability of this information. Users are responsible for determining whether this information is suitable and accurate for their particular purposes and specific applications.

For additional clarification regarding any aspect of the product or to ensure an appropriate risk assessment can be conducted, users should contact Rainbow & Brown Ltd directly using the contact details provided in Section 1.

To the fullest extent permitted by law, Rainbow & Brown Ltd accepts no liability for any loss, injury, or damage (including consequential loss) that may result from reliance on the information contained in this SDS. This information is provided in good faith, but no express or implied warranty is made.

END OF SAFETY DATA SHEET