


Beetril

Section 1: SUBSTANCE IDENTIFICATION AND SUPPLIER

Product Name:	Beetril
Product Code:	7972090 (20 Litres)
Recommended Use:	A pre- and early post-emergence selective herbicide, containing 3 active ingredients, for the control of broadleaf weeds in fodder beet, red beet and sugar beet.
Restrictions of Use:	Refer to Section 15
Company Identification:	Ravensdown Limited
Address:	292 Main South Road, Hornby, Christchurch, 8042 PO Box 1049, Christchurch 8011
Customer Centre:	0800 100 123
National Poisons Information Centre:	0800 POISON (0800 764 766)
Emergency Phone Number:	0800 CHEMCALL (0800 243 622) (24hr) (Emergencies Only)
Transport Emergency Phone Number:	111 - tell operator what service is needed: Fire, Ambulance or Police
Date of SDS Preparation	14 September 2020

Section 2: HAZARD IDENTIFICATION

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

EPA Approval No:	HSR100524
Pictograms:	
Signal Word:	Warning

HSNO Classification	Hazard Code	Hazard Statement	GHS Category
6.1D (inh)	H332	Harmful if inhaled.	Acute Tox. 4
6.1E (oral)	H303	May be harmful if swallowed.	Acute Tox. 5
6.5B	H317	May cause an allergic skin reaction.	Skin Sens. 1
6.9B	H373	May cause damage to organs through prolonged or repeated exposure.	STOT RE 2
9.1B	H411	Toxic to aquatic life with long lasting effects.	Aquatic Chronic 2
9.2B	H422	Toxic to the soil environment.	

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label before use.
P260	Do not breathe fumes, vapours and spray.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective clothing as detailed in Section 8.

Response Code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P363	Wash contaminated clothing before reuse.
P391	Collect spillage.

P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.

Storage Code	Storage Statement
None allocated	

Disposal Code	Disposal Statement
P501	Dispose of according to Local Regulations or Authorities

Section 3: COMPOSITION INFORMATION

INGREDIENT	CAS No.	CONTENT
ethofumesate	26225-79-6	5%
metamitron	41394-05-2	15%
phenmedipham	13684-63-4	5%
inerts		Balance

Section 4: FIRST AID MEASURES

Routes of Exposure:	
If in eyes:	Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.
If on skin:	Remove contaminated clothing and wash affected area thoroughly with soap and water. Do NOT scrub the skin. If a large area is affected seek medical assistance.
If ingested:	Never give anything by mouth to an unconscious person. If swallowed DO NOT induce vomiting. For advice, contact the National Poisons Centre on 0800 POISON (0800 764 766). Seek medical assistance immediately.
If inhaled:	Remove patient to fresh air. Lay down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance immediately.
Most important symptoms and effects, both acute and delayed	
Symptoms:	
Eyes:	Not applicable.
Skin:	May cause an allergic skin reaction.
Ingested:	May be harmful if swallowed. May cause organ damage from repeated oral exposure at high doses.
Inhaled:	Harmful if inhaled.
Chronic:	May cause organ damage from repeated oral exposure at high doses.
Notes to Doctor:	Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

Hazard Type	Non Flammable
Hazards from decomposition products	Oxides of sulphur, nitrogen and carbon
Suitable Extinguishing media	Water fog, foam, carbon dioxide or dry chemical.
Precautions for firefighters and special protective clothing	Full protective clothing and self-contained breathing apparatus.
HAZCHEM CODE	3Z

Section 6: ACCIDENTIAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Wear appropriate protective clothing as detailed in Section 8. Exclude non-essential people from the area.

Environmental precautions:

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

Methods and material for containment and cleaning up:

Contain spill and absorb with inert material such as soil, sand or absorbent granules and place in a sealable waste container.

Dispose of waste safely in an approved landfill. Dispose of according to Section 13.

Section 7: HANDLING AND STORAGE

Handling:	Read label before use. Avoid contact with skin, eyes and inhalation of spray mist. Do not breathe fumes, vapours and spray.
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	Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective clothing as detailed in Section 8.
Storage:	Keep out of reach of children. Store away from incompatible materials listed in Section 10. Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs, fertiliser and seed. Store in accordance with NZS 8409 Management of Agrichemicals This product is subject to signage and secondary containment when stored in quantities of 1000litres or more, either alone or in aggregate with substances of the same hazard classification. More than 1000litres require emergency response plans. For full details refer to NZS 8409 Management of Agrichemicals and HSWA Regulations.

Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA ppm mg/m ³	STEL ppm mg/m ³
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No ingredients have exposure limits

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices NOV 2019 11TH EDITION.

Engineering Controls:	Handle in well ventilated area. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below exposure limits. Avoid inhalation of spray mist.
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Personal Protection Equipment:



Eyes:	When opening the container, preparing spray and when contact with concentrate or solution is likely, wear safety goggles.
Skin/Hands:	When opening the container, preparing spray and when contact with concentrate or solution is likely, wear waterproof gloves, impervious vinyl or tyvec outer clothing and boots.
Respiratory:	Not required.
General:	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 daily after work.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Colour	White to cream
Odour	Not available
Odour Threshold	Not available
pH	4.5-6.5
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	Not available
Flammability	Not available
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Specific Gravity	1.085
Bulk Density	Not available
Water Solubility	Dispersible in water
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available

Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Particle Characteristics	Not available
Other information	(SC) Suspension Concentrate

Section 10: STABILITY AND REACTIVITY

Stability of Substance	When stored appropriately this product should show no significant degradation for 2 years from the date of manufacture.
Possibility of hazardous reactions	Not available
Conditions to Avoid	None known.
Incompatible Materials	Avoid contact with strong acids, alkalis and oxidizing agents.
Hazardous Decomposition Products	Oxides of sulphur, nitrogen and carbon.

Section 11: TOXICOLOGICAL INFORMATION

Acute Effects:

Swallowed	May be harmful if swallowed. LD ₅₀ (rat) >5000mg/kg
Dermal	Not applicable.
Inhalation	Harmful if inhaled. LC ₅₀ (rat) (4hr) >37mg/l
Eye	Not available.
Skin	May cause an allergic skin reaction.

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	May causes damage to organs through repeated or prolonged exposure.

Section 12: ECOLOGICAL INFORMATION

HSNO Classes: 9.1B = Toxic to aquatic life with long term effects
9.2B = Toxic to the soil environment.

Product:

Persistence and degradability/Mobility in Soil	No data available
Bioaccumulation	No data available
Other adverse effects	Avoid unintended release into streams and waterways.

Ecotoxicity:

Acute Toxicity (fish)

LC₅₀ (96hr) 18.9mg/l (by calculation)

Toxic to fish and other aquatic organisms with long lasting effects. Avoid contamination of any water supply with this product or empty container.

Acute toxicity to birds

no data

Acute toxicity (bees)

no data

Toxic to the soil environment. Selective herbicide – very toxic to some plant species (certain plants may be killed or damaged from root uptake of this product).

Section 13: DISPOSAL INFORMATION

Disposal Method:	Triple rinse container and add rinsate to spray tank.
Container Disposal:	Triple rinsed containers containing the Agrecovery logo on the label and that are free of all residues and have an intact legible label may be taken to an Agrecovery collection site for disposal. Otherwise crush and bury in an approved landfill. Do not burn. Do not use container for any other purpose.
Precautions or methods to avoid:	Do not allow to enter waterways.

Section 14: TRANSPORT INFORMATION

This product is classified as a Dangerous Good for transport in NZ; NZS 5433:2012



Road, Rail, Sea and Air Transport

UN No	3082
Class - Primary	9
Packing Group	III
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ethofumesate 5%, metamidron 15%, phenmedipham 5%)
Marine Pollutant	Yes
Special Provisions	If the product's individual container is below 5L, it can be transported as a non-DG as long as the product packaging is still labelled as per DG requirements and the driver is given safety information in accordance with Chapter 3.4 of the UNRTDG.

Section 15: REGULATORY INFORMATION

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

EPA Approval Code: HSR100524

HSNO Classification: 6.1D(inh), 6.1E(oral), 6.5B, 6.9B, 9.1B, 9.2B

HSW (HS) Regulations 2017	Trigger Quantity
Signage Trigger Quantities (Schedule 3)	1000L (9.1B)
Emergency Response Plan (Schedule 5)	1000L (9.1B)
Secondary Containment (Schedule 5)	1000L (9.1B)
Tracking (Schedule 26)	Not required
Certified Handlers	Not required
HSNO Additional Controls (Restrictions of use)	
77A -	The substance must not be applied onto or into water.
77A - A restriction has been placed on the application method for this substance.	This substance shall be applied using ground based methods only.
Hazardous Property Controls Notice 2017	
HPC Notice Part 4 Clause 47	Equipment for class 9 substances must be appropriate
HPC Notice Part 4 Clause 48	Records of application of class 9 pesticides and plant growth regulators
HPC Notice Part 3	Hazardous substances in a place other than a workplace.
HPC Notice Part 4 Subpart A	Site and storage controls for class 9 substances
ACVM Act and Regulations	
See www.foodsafety.govt.nz for registration conditions	P9610

Section 16: OTHER INFORMATION

Glossary

EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017

2. Workplace Exposure Standards and Biological Exposure Indices Nov 2017 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

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Please contact Ravensdown, if further information is required.

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