



Section 1- Identification of the substance/preparation and the company

Product Name: TerboHex
Company: Donaghys Ltd.
Address: 16 Sheffield crescent
 PO Box 20449
 Christchurch
Telephone Number: 0800 942 006
Recommended Use: A selective herbicide for the control of grass and broadleaf weeds in RADIATA PINE

Section 2 – Hazard Identification

Globally Harmonised System Hazardous according to the criteria of the Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

GHS Classifications Eye irritation category 2
 STOT Rep. Exp. 2
 Aquatic Acute 1
 Aquatic Chronic 1
 Hazardous to terrestrial vertebrates

Pictograms

Hazard Statements

H303	May be harmful if swallowed
H313	May be harmful in contact with skin
H333	May be harmful if inhaled
H316	Causes mild skin irritation.
H319	Causes serious eye irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
H410	Very toxic to aquatic life with long lasting effects
H421	Very toxic to the soil environment.

Precautionary Statements

P102	Keep out of reach of children.
P103	Read label before use.
P264	Wash hands thoroughly after handling.
P260	Do not breathe in spray mist.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.
P280	Wear protective gloves/clothing/eye protection.



EPA NZ Approval Code
Signal word

HSR000492
Warning

Section 3 – Composition Information

Chemical Entity	CAS No.	Content
Terbutylazine	5915-41-3	400 – 425 g/L
Hexazinone	51235-04-2	75 – 100 g/L

Section 4 – First Aid Measures

If Swallowed:	Do NOT induce vomiting.
If in eyes:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. If eye irritation persists: Get medical advice/attention.
If on skin:	If skin irritation occurs, get medical advice/attention.

If exposed or if you feel unwell: Call the POISON CENTRE or contact a doctor/physician. If medical advice is needed, have product container or label at hand

POISON CENTRE CONTACT: 0800 764 766 (National Poisons Information Centre)

Section 5 – Fire-fighting Measures

Suitable Extinguishing Media:	Dry chemical, water spray, carbon dioxide
Hazardous combustion products:	During a fire, toxic fumes may be emitted
Protective Equipment:	Self-contained breathing apparatus, protective gloves, and clothing
Flashpoint:	N/A
Special Fire Fighting Methods:	Prevent run off entering waterways
Hazchem code:	3Z

CALL THE FIRE SERVICE: DIAL 111

Section 6 – Accidental Release Measures

Spills and Disposal:	Absorb spilled material with an inert dry material (soil, sand, or another inert material) and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose container in accordance with local regulations.
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IN CASE OF EMERGENCY PHONE
National Poisons Centre 03-474-4700 or 0800 POISON (0800-764-766)



- Protective Equipment:** Wear protective PVC elbow length gloves, cotton overalls with neck and wrist protection and safety glasses.
- Environmental Precautions:** Avoid release to the environment. Collect spillage. Prevent washings from entering waterways.

Section 7– Handling and Storage

- Storage:** Store in original, closed container in a cool, dry place, out of direct sunlight and away from stock feed or foodstuffs. As a Class 9 Substance with Ecotoxicity Classifications, storage of TerboHex herbicide must be carried out in such manner as to prevent contamination of waterways. Keep out of reach of children. Do not store near waterways. Do not store where damage may occur.
- Handling:** Do not handle until all safety instructions have been read and understood. Wear eye/face protection. Contaminated work clothing should not be allowed out of the workplace. Avoid unintended release to the environment.

Section 8 – Exposure Controls/Personal Protection

- Exposure Limits:** No information available.
- Protective Equipment:** When mixing or applying, wear cotton overalls buttoned to the neck and wrist and a washable hat and elbow length PVC gloves. Remove protective clothing and wash hands, arms and face thoroughly with soap and water before meals and after work.
- Hygiene Precautions:** Wash hands thoroughly after handling. Do not eat, drink, or smoke while handling.
- Engineering Controls:** No information available

Section 9 – Physical and Chemical Properties

- Appearance:** Light yellow to brown viscous liquid
- Specific Gravity @ 20°C:** 1.05 – 1.3
- pH:** 4.0 – 8.0
- Flash Point:** N/A
- Autoignition Temperature:** N/A
- Flammability Limits:** N/A
- Particle Size:** >90% <20µm



Section 10 – Stability and Reactivity

Stability:	Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Conditions to Avoid:	Direct sunlight.
Incompatible substances/materials:	No information available.
Hazardous Decomposition Products:	Combustion or thermal decomposition will evolve toxic and irritant vapours.

Section 11 – Toxicological Information

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label.

Ingestion:	May be harmful if swallowed
Inhalation:	May be harmful if inhaled
Dermal:	Causes mild skin irritation.
Ocular:	Causes serious eye irritation.
Chronic Effects:	No information available
Specific target organ toxicity – repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Mutagenic effects:	No information available
Sensitisation:	No information available

Section 12 - Ecological Information

Ecotoxicity:	Very toxic to aquatic life with long lasting effects Very toxic to the soil environment.
Persistence and degradability:	No information available
Bioaccumulative potential:	No information available
Mobility in soil:	Very toxic to the soil environment.

Section 13 – Disposal Considerations

Product Disposal:	If possible, dispose of the product by use. Triple rinse container and add residue to spray tank. Treat the product so it is no longer toxic or flammable. Contaminated empty containers are to be treated in the same way as the contents. Donaghys is a
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member of Agrecovery Container Recycling programme. For details on how to correctly prepare your container and collection sites please visit www.agrecovery.co.nz.

Section 14 – Transport Information

International Regulations

IATA-DGR

Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (Contains Terbutylazine and Hexazinone)
UN Number	3082
Hazard class	9
Subsidiary Risk Class	N/A
Packing Group	III
Marine pollutant	Yes
Hazchem code	3Z
IMDG-Code	
UN number	3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID MIXTURE, N.O.S (Contains Terbutylazine and Hexazinone)
Class	9
Packing group	III
Marine pollutant	Yes

Section 15 – Regulatory Information

EPA NZ Registration Code:	HSR000492
ACVM Registration Number:	This product is exempt from the requirement of registration under the ACVM Act.
HSNO Classification:	Eye irritation category 2 STOT Rep. Exp. 2 Aquatic Acute 1 Aquatic Chronic 1 Hazardous to terrestrial vertebrates. Very toxic to the soil environment.
Tolerable exposure limits or environmental exposure limits:	No information available
Certified Handlers:	No
Tracking:	No

Section 16 – Other Information

The information in this MSDS is provided in good faith, but no warranty, expressed or implied is made. Contact Donaghys Ltd for more information.

EMERGENCY CONTACT No.: 0800 764 766 (National Poisons Information Centre)

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