



### Section 1 – Identification of the substance/preparation and the company

<b>Product Name</b>	LEKTOR (Mesotrione 480SC)
<b>Company</b>	Donaghys Ltd
<b>Address</b>	16 Sheffield Crescent PO Box 20 449 Christchurch
<b>Telephone Number</b>	0800 942 006
<b>Manufacturers Product Code:</b>	ALTH0005 / ALTH0020
<b>Recommended Use</b>	A selective herbicide for the control of broadleaf weeds in grain and silage maize.

### Section 2 – Hazard Identification

**GHS Classifications:** Eye irritation Category 2  
Specific target organ toxicity – repeated exposure Category 2  
Hazardous to the aquatic environment acute Category 1  
Hazardous to the aquatic environment chronic Category 1  
Hazardous to soil organisms

**GHS Pictograms:**



**Hazard Statements:**

H319	Causes serious eye irritation
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
H421	Very toxic to the soil environment

**Prevention Statements:**

P103	Read label before use
P260	Do not breathe fume/gas/mist/vapours/spray
P264	Wash hands thoroughly after handling
P273	Avoid release to the environment
P280	Wear protective nitrile rubber gloves, protective overalls, chemical resistant safety glasses or full-face protection

**Response Statements:**

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P314	Get medical advice/attention if you feel unwell.
P391	Collect spillage.

**Signal Word:** WARNING

**EPA NZ Approval Code:** HSR100665

**IN CASE OF EMERGENCY PHONE**  
National Poisons Centre 03-474-4700 or 0800 POISON (0800-764-766)

**Section 3 – Composition Information****Substance/Mixture:** Mixture**Hazardous components**

Chemical name	CAS-No.	Content
Mesotrione	104206-82-8	480 g/L
Other ingredients	Not applicable	Up to 1 L

**Section 4 – First Aid Measures**

- If inhaled:** If inhaled, move victim to fresh air immediately. Begin artificial respiration if breathing has stopped and get immediate medical assistance.
- If swallowed:** Call a poison control centre or doctor for treatment advice.
- If on skin:** Take off contaminated clothing. Rinse skin immediately with plenty of water. If skin irritation occurs: Get medical advice/attention.
- If in eyes:** If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present, and easy to do so. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**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**

- Fire & Explosion Hazard:** None.
- Suitable Extinguishing Media:** Dry chemical powder, water spray or carbon dioxide.
- Special Protective Actions for Fire Fighters:** Vapours may be toxic. Wear self-contained breathing apparatus. Do not allow fire fighting water to escape into waterways or sewers.

**Section 6 – Accidental Release Measures**

- Personal Precautions, Protective Equipment & Emergency Procedure:** In the event of a major spill, prevent spillage from entering drains or water courses. Wear full protective clothing.
- Methods & Materials for Containment & Cleaning Up:** Absorb spills with inert material and place in waste containers. Wash area with water and absorb with further inert material. Dispose of waste safely (such as to a suitable landfill). Clean contaminated surface thoroughly in accordance with local environmental regulations.



### Section 7– Handling and Storage

**Precautions For Safe Handling:** Avoid skin and eye contact and inhalation of spray mist. When mixing or applying wear eye protection, waterproof gloves, boots and overalls. Do not eat, drink or smoke while using. Remove protective clothing and wash hands and face thoroughly before meals and after work.

**Conditions For Safe Storage, Including Any Incompatibilities:** Store in original container tightly closed and in a locked dry cool area away from foodstuffs, seeds and fertilizers. Store in accordance with NZS 8409 Management of Agrichemicals. Stores containing 100 litres are subject to signage and secondary containment, and more than 100 litres require emergency response plans.

### Section 8 – Exposure Controls/Personal Protection

#### Personal Precautionary Measures

**Eye Protection:** Chemical goggles or face shield where splash may occur

**Respiratory Protection:** Transfer or mix with adequate ventilation.

**Protective Clothing:** PVC-coated gloves. Avoid skin contact.

**Ventilation:** General (mechanical) room ventilation is considered satisfactory.

**Hygiene Precautions:** If skin contact or contamination is likely, protective clothing should be worn. Change to clean clothing if contaminated.

### Section 9 – Physical and Chemical Properties

**Appearance:** Brown homogeneous solution

**Odour:** Characteristic

**Melting Point:** 165°C for Mesotrione

**Flash Point:** N/A

**Specific Gravity:** 1.125 g/mL

**Explosive Properties:** Not explosive

**Oxidising Properties:** Not oxidizing

**pH:** 4.0-8.0



### Section 10 – Stability and Reactivity

<b>Chemical Stability:</b>	Relatively stable in neutral, weakly acidic and weakly alkaline media
<b>Storage Stability:</b>	Stable under normal storage conditions in original container for at least two years
<b>Compatibility:</b>	Compatible with most herbicide formulations except very strong acid/alkaline formulations.
<b>Hazardous Decomposition Products:</b>	None.

### Section 11 – Toxicological Information

**Potential health effects. This section includes the possible adverse health effects that could occur if the substance is not handled as recommended.**

**Acute Effects:**

Ocular:	May cause eye irritation.
Dermal:	May cause skin irritation

**Toxicity Data (Active ingredient)**

Acute oral LD50(rat):	>5000 mg/kg
Acute dermal LD50(rat):	>2000 mg/kg
Acute inhalation LC50(rat) (4 hours):	>5 mg/L

### Section 12 - Ecological Information

**Ecotoxicity:**

Toxicity to birds	Acute toxicity: LD50 for Bobwhite quail >2000 mg/L for mesotrione.
Toxicity to fish:	LC50- 96 h Rainbow trout is >120 mg/L for mesotrione. LC50- 96 h for Bluegill sunfish is >120 mg/L for mesotrione.
Toxicity to aquatic organism:	EC50 (48h) for daphnia is >900 mg/L for mesotrione. EC50 (120h) for Selenastrum capricornutum is 4.5 mg/L for mesotrione.
Toxicity to other organisms:	LD50 (Oral) for bee is >11 µg/bee



### Section 13 – Disposal Considerations

**Product and container disposal:** Preferably dispose of product by use. Otherwise dispose of product, packaging and waste at an approved landfill or equivalent facility in accordance with local, regional and national environmental regulations. Donaghys is a member of Agrecovery Container Recycling programme. For details on how to correctly prepare your container and collection sites please visit [www.agrecovery.co.nz](http://www.agrecovery.co.nz).

### Section 14 – Transport Information

**Dangerous goods classification**

**UN number:** 3082

**Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Mesotrione 480 g/L)

**Class:** 9

**Packing group:** III

**Hazchem code:** 3Z

### Section 15 – Regulatory Information

**ERMA NZ Registration Code:** HSR100665  
See <http://www.epa.govt.nz> for approval conditions

**NZFSA Approval Number:** P008780  
See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions

### Section 16 – Other Information

The data given here is based on current knowledge and experience. The purpose of this safety data sheets is to describe the products in terms of their safety requirement. The data does not signify any warranty with regard to the products properties.