



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

Product Name	SUPER MAESTRO (S-metolachlor 900EC)
Company	Donaghys Ltd
Address	16 Sheffield Crescent PO Box 20 449 Christchurch
Telephone Number	0800 942 006
Manufacturer Product Code	ASMH0020
ACVM No	P009113
Recommended Use	For the selective pre-emergence control of annual grasses in maize, sweetcorn, asparagus (established) pumpkins and squash.

Section 2 – Hazard Identification

GHS label elements

Hazard classifications

- 6.1D May be harmful if swallowed, inhaled or absorbed through skin
- 6.4A Causes eye irritation
- 6.5B May cause sensitisation from prolonged skin contact
- 9.1A Very toxic to aquatic life
- 9.2A Very toxic to the soil environment

Hazard pictograms



Signal word

Warning

Prevention statements

- P102 Keep out of reach of children.
- P103 Read label before use.
- P261 Avoid breathing mist/vapours/spray.
- P264 Wash hands thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- 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 gloves/protective clothing/eye protection/face protection.

Section 3 – Composition Information

Substance/Mixture: Mixture

Hazardous components

Chemical name	CAS-No.	Concentration (% w/v)
S-Metolachlor	87392-12-9	960 g/L
Other ingredients	Not applicable	Up to 1 litre

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Section 4 – First Aid Measures

Inhalation	Immediately move to fresh air and rest. Maintain half upright position if breathing is difficult. Call a poison control centre or doctor for advice.
Ingestion	Call a poison control centre or doctor/physician if you feel unwell. Rinse mouth.
Skin	Wash with plenty of soap and water. Call a poison control centre or doctor/physician if you feel unwell. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.
Eye	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 on hand.

Call the **National Poisons Centre 0800 POISON (0800 764 766) (24 hours)** or a doctor immediately for advice.

Section 5 – Fire-fighting Measures

Suitable extinguishing media	Dry chemical, water spray (fog), carbon dioxide (CO ₂), foam.
Special protective actions for fire fighters	Wear full protective clothing and self-contained breathing apparatus. Evacuate non-essential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion. Do not allow fire fighting water to escape into waterways or sewers.

Section 6 – Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Avoid contact with spilled product or contaminated surfaces. Use personal protective equipment. Do not discharge into drains/surface waters/groundwater.
Methods and materials for containment and cleaning up	Exclude non-essential people from the area. Wear protective clothing and prevent material such as soil, sand etc and place in waste container. Wash area with water and detergent and absorb with further inert material. Dispose of safely to an approved landfill.

Section 7– Handling and Storage

Precautions for safe handling:	Ensure ventilation of stores and work areas. Wash thoroughly with soap and water after handling and before eating, drinking, or using the toilet.
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Conditions for safe storage, including any incompatibilities:

Keep out of reach of children. Store in the original, tightly closed container, in a cool, dry, and well-ventilated area away from feed or foodstuffs. Avoid temperature below 5°C and above 35°C. Storage of certain quantities of this product triggers specific storage requirements (Refer to Haz note).

Section 8 – Exposure Controls/Personal Protection

Personal Precautionary Measures

Eye Protection

Chemical goggles or face shield where splash may occur

Respiratory Protection

Respiratory protection is not required under anticipated circumstances of exposure. Respiratory protection should only be used to control residual risk of short duration activities, when all reasonably practicable steps have been taken to reduce exposure at source e.g. containment and/or local extract 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

Yellow to brown transparent liquid

Odour

Odourless

Vapour Pressure

3.7mPa (20°C) (a.i)

Solubility In Water At 20°C

480 mg/L in water at 25°C

Density

1.12 g/cm³ (at 20°C)

Ph

6.7

Section 10 – Stability and Reactivity

Chemical Stability

Relatively stable in neutral, weakly acidic and weakly alkaline media; hydrolyzed by stronger acids and bases.

Storage Stability

Stable under normal storage conditions in original container for at least two years.

Compatibility

Compatible with most herbicide formulations except very strong acid/alkaline formulations.

Hazardous Decomposition Products

None.

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Section 11 – Toxicological Information

Numerical measures of toxicity :

Acute oral LD50:	2672 mg/kg in rats
Acute dermal LD50:	> 2000 mg/kg in rabbits
Acute inhalation LC50 (4h):	> 2910 mg/m ³ in rats
Eye irritation/rabbit:	Non-irritating
Skin irritation/rabbit:	Non-irritating
Sensitization/guinea pig:	May cause sensitization by skin contact

Section 12 - Ecological Information

Ecotoxicity:

Toxicity to birds	Acute oral LD50 for Bobwhite quail >2510 mg/kg.
Toxicity to fish:	LC50- 96 h Rainbow trout 1.23 mg/L; Bluegill sunfish 3.16 mg/L
Toxicity to daphnia:	EC50 (48h) 11.24 mg/L.
Toxicity to algae:	EbC50 (120 h) for <i>Selenastrum capricornutum</i> 0.008
Toxicity to bee:	LD50 (Oral) >85 µg/bee; (Contact) >0.200 µg/bee
Toxicity to worms:	LC50 (14d) for earthworms 570 mg/kg soil

Section 13 – Disposal Considerations

Product 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 .
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Section 14 – Transport Information

Dangerous Goods

Classification

UN Number	3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (S-METOLACHLOR)
Class	9
Packing group	III

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Section 15 – Regulatory Information

EPA NZ Registration Code: HSR000392
ACVM Registration Number: P009113

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.

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