



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

**Product Name:** Donaghys GibbSTART MAX  
**Company:** Donaghys Ltd.  
**Address:** 16 Sheffield Crescent  
PO Box 20 449  
Christchurch  
**Telephone Number:** 0800 942 006  
**Manufacturer Product Code:** AGIBM001 / AGIBM005  
**Recommended Use:** Plant Growth Regulator - a liquid Gibberellic acid product for the stimulation of pasture growth in the early spring.

### Section 2 – Hazards Identification

**HSNO Classes:** 6.3B, 6.4A  
**GHS Hazard Classifications:** Eye irritation Category 2



**Hazard Statements:** H316 - Causes mild skin irritation  
H319 - Causes serious eye irritation  
**Precaution Statements:** P103 - Read label before use  
P264 – Wash hands thoroughly after handling  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
**Signal Word:** WARNING  
**EPA NZ Approval Code:** HSR100820

### Section 3 – Composition/Information on Ingredients

Ingredient	CAS No.	Content (% w/w)
Gibberellic acid	77-06-5	20
2-(2-Ethoxyethoxy) ethanol	111-90-0	>15%
Other ingredients	Trade secret	To 100%

### Section 4 – First Aid Measures

**If on Skin:** Wash contaminated skin with plenty of soap and water. Remove contaminated clothing and wash before reuse. If skin irritation occurs seek medical advice.  
**If In Eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention  
**If Swallowed:** Do not induce vomiting. Wash mouth out with water. For advice call the National Poison Centre (0800 POISON) 0800 764 766 or seek medical advice.  
**If Inhaled:** Move to fresh air. Seek medical advice if nausea or vomiting occurs.  
**Advice to Doctor:** Treat symptomatically.

**If medical advice is needed, have product container or label at hand.**  
**POISON CENTRE CONTACT: 0800 764 766 (National Poisons Information Centre)**

**IN CASE OF EMERGENCY PHONE**  
**National Poisons Centre 0800 POISON (0800 764 766)**



### Section 5 – Fire-fighting Measures

<b>Fire/Explosion Hazard:</b>	In the event of a fire the following can be released: Ammonia or oxides of carbon and nitrogen.
<b>HAZCHEM Code:</b>	Not Applicable
<b>ERP Guide No:</b>	Not Applicable
<b>Extinguishing Media:</b>	Foam, Carbon Dioxide, Dry Chemical, Water spray.
<b>Fire Fighting Instructions:</b>	Fire fighters should wear self contained breathing apparatus if risk of exposure to vapour or products of combustion.

### Section 6– Accidental Release Measures

Slippery when spilt, clean up immediately. Wear protective equipment to prevent skin and eye damage.

Prevent run off into drains and waterways. Absorb spills with inert material and seal in bags or bottles for disposal at an approved landfill.

### Section 7– Storage, Handling and Use

<b>Storage:</b>	Keep out of reach of children. Store in the original, tightly closed container, in a secure well-ventilated area out of direct sunlight and away from sources of heat and ignition and away from foodstuffs.
<b>Handling and Use:</b>	Keep out of reach of children. Avoid contact with eyes and skin. Avoid inhalation dust or spray mist. When mixing or applying, wear protective clothing as described in section 8. Do not eat, drink or smoke while using. Wash hands and face after use. Wash protective clothing after use.
<b>Approved Handler:</b>	Not required.
<b>Tracking:</b>	Not required.
<b>Record Keeping:</b>	Not required.
<b>Additional Requirements:</b>	All aspects of storage, handling, use, disposal and record keeping must be in accordance with NZS 8409:2004 'Management of Agrichemicals', and relevant local and regional council plans.

### Section 8 – Exposure Controls/Personal Protection

<b>Tolerable Exposure Limit:</b>	None established
<b>Workplace Exposure Standards:</b>	May cause eye irritation and internal organ damage from repeated oral exposure to high doses.
<b>Engineering Controls:</b>	Ensure adequate ventilation to keep exposure levels to a minimum.
<b>Personal Protection:</b>	See below:
<b>Eye:</b>	Safety glasses/goggles when handling open liquid and mixing.
<b>Skin:</b>	Cotton overalls snugly fitting at the neck, wrist and ankle, waterproof boots and gloves (e.g., PVC or neoprene)
<b>Respiratory:</b>	Not required where dust or spray mist is not inhaled. Otherwise, respirator (organic vapour and particulate matter) is required.



### Section 9 – Physical and Chemical Properties

<b>Form:</b>	Soluble Concentrate
<b>Colour:</b>	Yellow to amber clear liquid
<b>Boiling Point:</b>	194°C
<b>Melting Point:</b>	<0°C
<b>Flash Point:</b>	>93°C
<b>Flammability Limits:</b>	Not available
<b>Specific Gravity:</b>	1.07-1.14 @ 20°C
<b>Solubility in Water:</b>	Miscible

### Section 10 – Stability and Reactivity

<b>Stability:</b>	Stable under normal conditions of use.
<b>Conditions to avoid:</b>	Store in a cool dry area away from direct sunlight.
<b>Incompatible materials:</b>	Strong oxidizing agents. Strong Alkali – contact may cause ammonia to be liberated. Incompatible with neoprene or rubber – prolonged contact may swell and soften these materials.
<b>Hazardous decomposition products:</b>	Ammonia or oxides of nitrogen.
<b>Hazardous Reactions:</b>	None expected under normal conditions.

### Section 11 – Toxicological Information

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

<b>Swallowed:</b>	Harmful if swallowed. Swallowing may cause irritation to the gastrointestinal tract or lead to nausea, vomiting and diarrhoea.
<b>Eye:</b>	Severely irritating to eyes
<b>Skin:</b>	May be irritating to the skin. Repeated or prolonged exposure may cause drying or dermatitis.
<b>Inhalation:</b>	High concentrations of mist may be irritating to the upper respiratory tract and cause dizziness or headache.
<b>Acute Toxicity:</b>	
<b>Chronic Effects:</b>	No long-term adverse effects are expected.

### Section 12 Ecological Information

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

<b>Ecotoxicity:</b>	<b>Very toxic to fish and other aquatic organisms.</b> Do not apply onto or into water. Avoid contamination of any water supply with chemical or empty container.
<b>Persistence and degradability:</b>	Product will eventually degrade.
<b>Mobility:</b>	Product is miscible in water. Do not allow product to enter waterways.



### Section 13 – Disposal Considerations

<b>Disposal Methods:</b>	In accordance with local authority regulations, take to special waste incineration plant. If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards. Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. If they can not be returned or recycled bury containers below 500mm in a disposal pit specifically marked and set out for this purpose, clear of waterways, vegetation and roots. Empty containers and product should not be burned.
<b>Special precautions for landfill or incineration:</b>	Avoid contaminating waterways.

### Section 14 – Transport Information

<b>UN Number:</b>	None allocated
<b>UN Proper Shipping Name:</b>	None allocated
<b>Class:</b>	None allocated
<b>Packing Group:</b>	None allocated
<b>Hazchem Code:</b>	None allocated
<b>Road and Rail Transport:</b>	Not classified as Dangerous Goods for transport by road and rail.
<b>Marine Transport:</b>	Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.
<b>Air Transport:</b>	Not classified as Dangerous Goods by the criteria of the International Air Transport (IATA) Maritime Dangerous Goods Regulations for transport by air.

### Section 15 – Regulatory Information

<b>EPA NZ Registration Code:</b>	HSR100820 See <a href="http://www.epa.govt.nz">http://www.epa.govt.nz</a> for approval conditions
<b>ACVM Approval Number:</b>	P008774 See <a href="http://www.foodsafety.govt.nz">www.foodsafety.govt.nz</a> for registration conditions

### Section 16 – Other Information

**Please Note:**

Users must ensure that the most up to date version of this safety data sheet is used. This Safety Data Sheet summarises information on this product, and how to safely handle and use the product in the workplace. Each user should familiarise themselves with the product label, Haz Note and SDS, and consider the information in the context of how the product will be handled and used in the workplace, including in conjunction with other products. Donaghys Industries Ltd assumes no responsibility for the accuracy, completeness or suitability of this information. The user is responsible for determining the suitability and accuracy of this information for their particular purposes. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. Always read the product label before use.

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

**IN CASE OF EMERGENCY PHONE**  
**National Poisons Centre 0800 POISON (0800 764 766)**