

Blossom Bless™

Section 1: Identification of the Substance or Mixture and of the Supplier

Product name:	Blossom Bless™
Recommended use:	Inoculation of fruit trees with <i>Pantoea agglomerans</i> P10c for the control of fireblight
Company details:	GroChem (AgriNova New Zealand Limited) 15 Sunlight Grove Porirua New Zealand
Telephone:	+64 4 237 0905
Email:	grochem@grochem.co.nz
Emergency telephone:	New Zealand 0800 CHEMCALL – 24 hours (0800 243 6225) Australia 1800 127 406 Other locations +64 3 353 0199 or The National Poisons Centre 0800 POISON (0800 764 766)
Date of preparation:	14 May 2012

Section 2: Hazards Identification

Hazard classification (Transport):	Not a Dangerous Good under the Land Transport Rule: Dangerous Goods 2005.
Hazardous substances (HSNO):	6.5A (DANGER: May cause allergy, asthma symptoms, breathing difficulties if inhaled) 6.5B (WARNING: May cause allergic skin reaction) 9.1D (Designed for biocidal action)



Section 3: Composition/Information on Ingredients

Classification & type:

Material	CAS No.	Proportion (%w)
Pantoea agglomerans P10c (previously known as Erwinia herbicola)		1x10 ¹⁰ CFU/g
Non-hazardous components		To 100%

Section 4: First Aid Measures

Symptoms of exposure:

If Swallowed	Swallowing can result in nausea, vomiting, diarrhoea and abdominal pain.
If in Eyes	May cause eye irritation.
If on Skin	Contact with skin may result in moderate irritation.
If Inhaled	Inhalation of dust may result in respiratory irritation.

First aid actions:

If Swallowed	Rinse mouth with water. Give plenty of water to drink. If vomiting occurs give further water. Seek medical advice.
If in Eyes	Immediately irrigate with copious quantities of water for at least 15 minutes. Eyelids to be held open. Seek medical assistance.
If on Skin	Wash with plenty of soap and water. If skin irritation or rash occurs, get medical advice/attention. Wash contaminated clothing before reuse.
If Inhaled	If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms, call a POISON CENTRE or doctor/physician

Workplace facilities: Eyewash facilities should be available.

Notes for medical personnel: Treat symptomatically.

Section 5: Fire Fighting Measures

Type of Hazard:	Not flammable.
HAZCHEM code:	N/A
Combustion products:	Not known.
Extinguishing media & methods:	Use extinguishing media suitable to surrounding materials.
Recommended protective clothing:	Firefighters should wear self-contained breathing apparatus.

Section 6: Accidental Release Measures

Personal protection:	See Section 8.3 for appropriate PPE. Wear protective equipment to prevent skin and eye contamination.
Containment and clean up:	Small spills can be washed away. Contain larger spills with absorbent material. Refer to local Waste Management Authority. Waste is normally suitable for disposal at approved land waste site, after sterilising. Use chlorine, formaldehyde or other suitable sterilant.
Special requirements:	See Section 13 for instructions for the disposal of waste/contaminated material.

Section 7: Handling and Storage

Subsection 1:	Handling
Handling practices	Wear appropriate PPE as detailed in Section 8.3.
Subsection 2:	Storage
Site requirements	Store Blossom Bless in freezer until ready to use. Bacteria are destroyed by excess heat.
Packaging	Store in original plastic bag.

Section 8: Exposure Controls/Personal Protection

Subsection 1:	Workplace Exposure Guidelines (may also be considered in section 2)
Workplace exposure standards	No exposure limits have been set for this material.
Subsection 2:	Engineering Controls
Exposure control measures	Avoid generation of dust or mist. Wear appropriate PPE during spraying.
Subsection 3:	Personal Protective Equipment (PPE)
Detail specifications for equipment	Wear an appropriate mask to prevent breathing dust, mist or spray.
General Hygiene	Wash hands and exposed skin after use and before meals.

Section 9: Physical and Chemical Properties

Appearance	Yellow Powder	pH	N/A
Odour	Musty odour	Boiling point (degC)	N/A
Specific gravity (kg/L)	-	Freezing point (degC)	N/A
Solubility	Insoluble	Flammability information	Not Flammable
Vapour density	N/A	Flashpoint (degC)	N/A
Vapour pressure	N/A		

Section 10: Stability and Reactivity

Stability of substance:	Stable under normal circumstance.
Conditions to avoid:	Bacteria are destroyed by heat.
Material to avoid:	None known.
Hazardous decomposition products:	Not known.
Hazardous polymerization:	Will not occur.

Section 11: Toxicological Information

Data and interpretation:	See Section 2 for general hazard information.
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Section 12: Ecological Information

Potential environmental interactions:	Designed for biocidal action. May cause negative effects to some beneficial insects. Avoid contamination of all water systems.
Environmental risk phrases:	No data is available for this substance.

Section 13: Disposal Considerations

Product disposal:	Use only as directed. Destroy unwanted material in fire.
Container disposal:	Bury at an approved landfill or burn if environmental conditions permit (eg wind direction).

Section 14: Transport Information

UN Number:	Not allocated
DG Class and Subsidiary Group:	N/A
Proper shipping name:	N/A
Packing group:	Not allocated
HAZCHEM code:	N/A
Special precautions:	Do not carry more than 0.5kg on a passenger service vehicle.

Section 15: Regulatory Information

Regulatory status: Registered pursuant to the ACVM Act 1997, No. P7164.
See www.foodsafety.govt.nz for registration conditions.
Approved Pursuant to the HSNO Act 1996, Number HSR001707.
See www.epa.govt.nz for approval conditions.

HSNO trigger quantities: Trigger quantities for this substance:

SDS must be available for	3kg
Signage	10,000kg
Emergency plan	1000kg

Section 16: Other Information

Revision due: 14 May 2017.

Additional information: Directions for use are found on the product label.

Glossary:

ACVM	Agricultural Compounds and Veterinary Medicines Act 1997 or Group
CAS	Chemical Abstract Services Number, used to uniquely identify chemical compounds
CFU	Colony forming units
HSNO	Hazardous Substances and New Organisms (legislation 1996)
PPE	Personal Protective Equipment

This SDS summarises our best knowledge of the health and safety hazard information available for this product and how to safely handle and use it. Since the use of this information and the conditions of the use of this product are not under the control of GroChem, it is the user's responsibility to determine conditions of safe use of the product.