

Infosafe No™ 3NUID	Issue Date : September 2018	ISSUED by NUFARMNZ
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 Product Name **PROGIBB® SG**

1. Identification

GHS Product Identifier	PROGIBB® SG
Product Code	04490
Product Type	Plant Growth Regulator
Company Name	Nufarm NZ
Address	6 Manu Street, Otahuhu Auckland 2024 New Zealand
Telephone/Fax Number	Tel: 0-9-270 4150
Emergency phone number	0800 651 911
Email	nzinfo@nufarm.com
Recommended use of the chemical and restrictions on use	A foliar spray that stimulates production of dry matter under rotational grazing when cool soil temperatures limit natural pasture growth rates; to increase cherry firmness and quality and to provide inhibition of flowering of Satsuma mandarins.
Other Information	This SDS describes, to the best of our knowledge, the properties of the concentrated product. The physical properties and some of the assessments do not apply to the properties of the product once it has been diluted for application. Acute health effects of the diluted product are likely to be much less severe.

2. Hazard Identification

Other Information	ProGibb SG does not trigger HSNO classifications. No HSNO controls apply.
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3. Composition/information on ingredients

Chemical Characterization	Solid		
Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Gibberellic Acid	77-06-5	400 g/kg
	Ingredients determined to be non-hazardous	-	Balance

4. First-aid measures

First Aid Measures	For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. Begin artificial respiration if the victim is not breathing. Use mouth-to-nose rather than mouth-to-mouth. Obtain medical attention.
Inhalation	Remove patient to fresh air. Lay down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance immediately.
Ingestion	Never give anything by mouth to an unconscious person. If swallowed do NOT induce vomiting. For advice, contact the National Poisons Centre (0800 764 766). Seek medical assistance immediately.
Skin	Immediately flush body and clothes with large amounts of water. Remove contaminated clothing and footwear. Wash affected areas with soap and water. If a large area is affected seek medical assistance.
Eye contact	Flush eyes with plenty of water for 15 minutes holding eyelids open if necessary. Seek medical assistance. Remove contact lenses, if present and easy to do.
First Aid Facilities	Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower.
Advice to Doctor	Treat symptomatically.
Most important symptoms/effects, acute and delayed	Direct contact with this product could cause mechanical irritation which may result in eye and skin irritation.

5. Fire-fighting measures

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Suitable extinguishing media	Not flammable. Choose extinguishing media to suit the burning material. Water fog, foam, carbon dioxide or dry chemical.
Special Protective Equipment for fire fighters	Full protective clothing and self-contained breathing apparatus.
Specific Methods	Keep up wind. Do not allow washings to reach sewage or effluent systems.
Other Information	Location Certificate: Not applicable Hazardous Atmosphere Zone: Not applicable Number of Fire Extinguishers: Not applicable

6. Accidental release measures

Spills & Disposal	Wear protective clothing. Clear area of unprotected personnel. Sweep up solids without generating dust (use water to dampen). Contain and absorb liquid spills with inert material and place in waste containers. If spill does enter waterways contact the local authority. Collect in an appropriate sealable container for disposal in an approved landfill. Wash area with water and absorb with further inert material and collect in sealable container for disposal.
Personal Protection	For appropriate personal protective equipment (PPE), refer Section 8.
Environmental Precautions	Prevent from entering drains, waterways or sewers.

7. Handling and storage

Precautions for Safe Handling	Avoid skin and eye contact and inhalation of spray mist. CERTIFIED HANDLER: Not applicable. TRACKING: Is not required. RECORD KEEPING: Not applicable.
Conditions for safe storage, including any incompatibilities	Keep out of reach of children. Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs. Storage must be in accordance with NZS 8409 Management of Agrichemicals.
Other Information	Always read the label and any attached leaflet before use.

8. Exposure controls/personal protection

Occupational exposure limit values	No exposure limits (WES, TEL or EEL's) have been specifically assigned for this product.
Appropriate engineering controls	Handle in well ventilated areas, generally natural ventilation is adequate.
Respiratory Protection	Not usually required. If ventilation is poor, use a NOISH approved (or equivalent) half face mask respirator with organic vapour cartridge + dust/mist prefilter.
Personal Protective Equipment	When opening the container, preparing spray and using the prepared spray wear safety goggles, waterproof gloves, cotton overalls buttoned to the neck and wrist, and boots.
Hygiene Measures	Do not eat, drink or smoke while using. Remove protective clothing and wash hands and face thoroughly before meals and after work. Wash protective clothing daily after work. Wash splashes of concentrate from skin immediately.

9. Physical and chemical properties

Form	Solid
Appearance	White to off-white granules
Odour	Odourless
Solubility in Water	Soluble in water.
pH	3.5 - 4.5 (as a 0.1% solution in water)
Density	Bulk density = 0.43 - 0.55g/mL
Explosion Properties	No explosive properties
Other Information	(SG) Water Soluble Granule

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10. Stability and reactivity

Chemical Stability Stable under normal conditions of handling and storage.

Hazardous Polymerization Hazardous polymerisation will not occur.

11. Toxicological Information

Toxicology Information No specific toxicological data is available for this product. Data below is for constituents.

Acute Toxicity - Oral LD50 (rat) >5,000 mg/kg for gibberellic acid technical powder

Acute Toxicity - Dermal LD50 (rabbit) >2,000 mg/kg for gibberellic acid technical powder

Inhalation Gibberellic acid was not lethal in inhalation studies with rats at 1.7mg/L/4h and with mice and guinea pigs at 0.283mg/L/1.5h. The product is a granular solid, nearly free of dust.

Skin In tests with gibberellic acid technical powder, slight to well-defined redness occurred at site of application in several animals. Repeated or prolonged contact with the granules may produce skin irritation, however, solutions are not expected to be irritating.

Eye In tests with gibberellic acid technical powder, transient irritation was observed in test animals immediately after application. Direct contact with this product may cause irritation, however, solutions are not expected to be irritating.

Skin Sensitisation In a sensitisation test with guinea pigs using gibberellic acid technical powder, the results indicated gibberellic acid technical powder is not a sensitizer.

Carcinogenicity No adverse effects known. None of the components are classified as carcinogens.

Reproductive Toxicity In reproduction studies in rats, no maternal or foetal toxicity, or other adverse effects to the foetus were noted following large doses (1,000mg/kg/day) of gibberellic acid technical powder).

12. Ecological information

Basis for Assessment Ecotoxicological data have not been determined specifically for this product. Data below is for the active ingredient unless otherwise stated.

Acute Toxicity - Fish LC50 (96h) rainbow trout is >150ppm for gibberellic acid technical

Acute Toxicity - Other Organisms Oral LD50 bobwhite quail is >2,250mg/kg for gibberellic acid technical

13. Disposal considerations

Product Disposal Dispose of product only by using according to the label, or at an approved landfill.

Container Disposal Triple rinse empty container and add rinsate to spray tank. Recycle empty container. Otherwise crush and bury in a suitable landfill.

14. Transport information

Transport Information It is good practice not to transport agricultural chemical products with food, food related materials and animal feedstuffs.

Storage and Transport Not classified as Dangerous Goods for transport in New Zealand.

Other Information Segregation: Check the latest Land Transport Rule Dangerous Goods Rule 45001 for additional information. Sea transport may require additional segregation. Refer NZS5433 sea segregation for details.

15. Regulatory information

National and or International Regulatory Information Registered pursuant to the ACVM Act 1997, No. P7740
See www.foodsafety.govt.nz for registration conditions
Not classified as hazardous pursuant to the HSNO Act 1996.

Hazard Rating Systems NFPA/HMIS: 1-1-0



Safety Data Sheet

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CS: 1.7.2

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16. Other Information

Date of preparation October 2013
or last revision of
SDS

Contact Person/Point IN AN EMERGENCY, DIAL 111 - FIRE OR POLICE
24Hr Tollfree Emergency No: 0800 651 911
24Hr Emergency No: National Poisons Centre Phone: 0800 764 766
Revisions 5 yearly review carried out. Various changes and updates made to document.
Highlighted

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