



Infosafe No™ 3NUID Issue Date : October 2013 ISSUED by NUFARMNZ

Product Name **PROGIBB® SG**

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

Product Name PROGIBB® SG
Product Code 04490
Product 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.
Company Name Nufarm NZ
Address 6 Manu Street, Otahuhu
Auckland 2024 New Zealand
Emergency Tel. 0800 651 911
Telephone Tel: 0-9-270 4150
Number/Fax Fax: 0-9-270 4159
Product Type Plant Growth Regulator
Email info@nz.nufarm.com
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. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Solid
Characterization
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

3. HAZARDS IDENTIFICATION

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).
Carcinogenicity No adverse effects known. None of the components are classified as carcinogens.
Inhalation Gibberellic acid was not lethal in inhalation studies with rats at 1.7mg/L/4h and with mice and quinea 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.
Other Information ProGibb SG does not trigger HSNO classifications. No HSNO controls apply.

4. 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



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Eye contaminated clothing and footwear. Wash affected areas with soap and water. If a large area is affected seek medical assistance.

First Aid Facilities 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.

Advice to Doctor Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower.

Symptoms and Effects Treat symptomatically.

Direct contact with this product could cause mechanical irritation which may result in eye and skin irritation.

5. FIRE FIGHTING MEASURES

Extinguishing Media Not flammable. Choose extinguishing media to suit the burning material. Water fog, foam, carbon dioxide or dry chemical.

Specific Methods Keep up wind. Do not allow washings to reach sewage or effluent systems.

Protective Equipment Full protective clothing and self-contained breathing apparatus.

Explosion Data No explosive properties

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

Handling Avoid skin and eye contact and inhalation of spray mist.
APPROVED HANDLER: Not applicable
TRACKING: Is not required
RECORD KEEPING: Not applicable

Storage 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

National Exposure Standards No exposure limits (WES, TEL or EEL's) have been specifically assigned for this product.

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.

Eng. Controls Handle in well ventilated areas, generally natural ventilation is adequate.

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

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Product Name **PROGIBB® SG**

Appearance	White to off-white granules
Odour	Odourless
Solubility in Water	Soluble in water.
pH Value	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

10. STABILITY AND REACTIVITY

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

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

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



Material Safety Data Sheet

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Refer NZS5433 sea segregation for details.

15. REGULATORY INFORMATION

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

National Legislation 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.

UK Legislation info@nz.nufarm.com

16. OTHER INFORMATION

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

SDS History February 2008

Revisions Highlighted 5 yearly review carried out. Various changes and updates made to document.
...End Of MSDS...

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