

PROGIBB[®] SG PLANT GROWTH REGULATOR SOLUBLE GRANULE**SECTION 1: CHEMICAL PRODUCT AND COMPANY INFORMATION**

Product Name:	ProGibb SG Plant Growth Regulator Soluble Granule
Product Use:	For foliar spray application to certain varieties of grapes, citrus and prunes to promote desirable harvest effects, for stretching bunches and reducing bunch density in wine grapes and to stimulate production of winter dormant grass-dominant pastures for high intensity grazing such as dairy pasture or sheep lambing paddocks.
Company:	Sumitomo Chemical Australia Pty Ltd A.B.N. 21 081 096 255
Address:	242 Beecroft Road, Epping NSW 2121
Telephone Number:	(02) 8752 9000 (Mon–Fri 8am–5pm EST)
Emergency Telephone Number:	1800 024 973 (24 hours) (EMERGENCIES ONLY)

SECTION 2: HAZARDS IDENTIFICATION

Approved Criteria Classification:	This product is hazardous according to the criteria of NOHSC.
SUSDP Classification:	R36: Irritating to eyes.
ADG Classification:	Not Scheduled
	Not a Dangerous Good

EMERGENCY OVERVIEW

Colour:	White to off-white
Physical description:	Granules
Odour:	Odourless
Major health hazards:	This material is non-toxic by ingestion, skin contact or inhalation. This material is a moderate eye irritant.

POTENTIAL HEALTH EFFECTS

Acute Toxicity: This material is non-toxic by ingestion, skin contact or inhalation.
This material is a moderate eye irritant.

Signs and Symptoms of Systemic Effects: Direct contact with the product could cause mechanical irritation which may result in eye and skin irritation.

Eye:	Moderate irritant
Skin:	Non irritant
Ingestion:	Not a likely route of exposure
Inhalation:	Not a likely route of exposure

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity	CAS number	Proportion
<i>Gibberellic Acid</i>	77-06-5	40%
Other ingredients determined not to be hazardous		to 100%

SECTION 4: FIRST AID MEASURES

- Scheduled Poisons:** Poison Information Centres in each State capital city can provide additional assistance for scheduled poisons. Telephone: 131126 (Australia).
- Eye contact:** Remove from source of exposure. Flush with copious amounts of water. If irritation persists or signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.
- Skin contact:** Remove from source of exposure. Flush with copious amounts of water. If irritation persists or signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.
- Ingestion:** Remove from source of exposure. If signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.
- Inhalation:** Remove from source of exposure. If signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.
- Note to physician:** No known antidote, provide symptomatic.supportive care as necessary.

SECTION 5: FIRE FIGHTING MEASURES

- Fire and Explosion Hazards:** Not flammable and no explosive properties.
- Extinguishing Media:** Use appropriate medium for the underlying cause of the fire.
- Hazardous Decomposition Products:** None
- Hazardous reactions:** None
- Materials to avoid:** None
- Fire Fighting:** Wear protective clothing and self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Emergency Telephone Number: 1800 024 973 (24 hours) (EMERGENCIES ONLY)

Observe precautions in Section 8: Personal Protection

Stop the source of the spill if it is safe to do so. Contain the spill to prevent further contamination of the soil, surface water, or ground water.

FOR SPILLS ON LAND

CONTAINMENT: Avoid runoff into storm sewers or other bodies of water.

CLEANUP: Recover product and place into appropriate container for disposal.
Avoid breathing dust. Ventilate and wash the spill area. Pick up wash liquid with additional absorbent and place in a chemical waste container.

FOR SPILLS IN WATER

CONTAINMENT: Avoid runoff into storm sewers or other bodies of water. Isolate contaminated water.

CLEANUP: Remove contaminated water for treatment or disposal.

SECTION 7: HANDLING AND STORAGE

Keep out of reach of children. Keep pesticide in original container. Do not store near flame, sparks or hot surfaces. Do not store or transport near food or feed. Do not contaminate food or feed. Do not put into food or drink containers. Store in a cool, dry place, out of direct sunlight.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

NATIONAL EXPOSURE STANDARDS

Exposure standards represent the air borne concentrations of individual chemical substances, which according to current knowledge, should neither impair the health of, nor cause undue discomfort to, nearly all workers. A time weighted average (TWA) concentration for an 8 hour day, and 5 day week has not been established by The National Occupational Health and Safety Commission for any of the major ingredients in this product. Hence, there is no exposure standard allocated to this product.

BIOLOGICAL LIMIT VALUES

No Biological Limit Allocated.

ENGINEERING CONTROLS

No engineering control measures are allocated to the use of this product, however always use in a well ventilated area.

PERSONAL PROTECTIVE EQUIPMENT

Impervious gloves, clothing to minimise skin contact.

If necessary use Safety glasses or goggles.

If necessary, use a NIOSH approved (or equivalent) respirator with high efficiency filter.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	White to off-white granules
ODOUR:	Odourless
MELTING/FREEZING POINT:	NA
BOILING POINT:	NA
BULK DENSITY:	0.43 – 0.55 g/mL
SOLUBILITY:	Soluble in water
VAPOUR PRESSURE:	NA
pH:	3.5 – 4.5 (as a 0.1% solution in water)

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY:	Stable under normal temperatures and pressures.
INCOMPATIBILITY:	None that are known
HAZARDOUS	None that are known.
DECOMPOSITION PRODUCTS:	Hazardous polymerization will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute (Product Specific)

Eye irritation:	N/D. In tests with gibberellic acid technical powder, transient irritation was observed in test animals immediately after application. Direct contact with the product may cause irritation, however solutions are not expected to be irritating.
Oral LD ₅₀ (rat):	N/D. >5000 mg/kg (rat) for gibberellic acid technical powder
Dermal LD ₅₀ (rabbits):	N/D. >2000 mg/kg (rabbit) for gibberellic acid technical powder
Inhalation toxicity:	In a 4-hr, nose only exposure test with rats using gibberellic acid technical powder, no deaths occurred at the highest attainable concentration (1.44 mg/L)
Irritation of the skin (rabbits):	N/D. In tests with gibberellic acid technical powder, slight to well defined redness occurred in test animals 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.
Sensitisation:	N/D. In a sensitisation test with guinea pigs using gibberellic acid technical powder, the results indicated gibberellic acid technical powder is not a sensitizer.

Chronic/Carcinogenicity

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

Teratology (Birth Defects) Information

No adverse effects known.

Reproduction Information

N/D. In reproduction studies in rats, no maternal or foetal toxicity, or other adverse effects to the foetus were noted following large doses (1000 mg/kg/day) of gibberellic acid technical powder.

SECTION 12: ECOLOGICAL INFORMATION

Environmental Fate

Hydrolysis: Not available

Photolysis: Not available

Soil half life: Not available

Water solubility: Not available

Ecotoxicity

Avian Low toxicity to fish and wildlife

Aquatic Low toxicity to fish and wildlife

Other non-target organisms Low toxicity to fish and wildlife

SECTION 13: DISPOSAL CONSIDERATIONS

Puncture, or shred and bury empty containers in a local authority landfill. If not available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots. Empty containers and product should NOT be burnt.

SECTION 14: TRANSPORT INFORMATION

Store in the closed, original container in a well-ventilated area, as cool as possible. Keep out of reach of children. Do not store in direct sunlight.

ADG Code: Not a Dangerous Good

HAZCHEM Code: Not applicable

SECTION 15: REGULATORY INFORMATION

This product is registered with the Australian Pesticides and Veterinary Medicines Authority (APVMA).

SECTION 16: OTHER INFORMATION

Abbreviations:

NA Not Applicable

NDA No Data Available

ND Not Determined

Revision date: September 2011

Revision number: 2

Reason for revision: Update product name to include formulation type

THE INFORMATION GIVEN IN THIS MSDS IS BASED ON DATA AVAILABLE TO US AS OF THE REVISION DATE GIVEN HEREIN, AND BELIEVED TO BE CORRECT. CONTACT SUMITOMO CHEMICAL AUSTRALIA TO CONFIRM IF YOU HAVE THE MOST CURRENT MSDS.