



# Gibber900

## Plant Growth Regulator

### 1. PRODUCT & COMPANY IDENTIFICATION

Product Identification: Gibber900  
Product Use: Plant Growth Regulator  
Company Identification: Rainbow & Brown Limited  
68A Tallyho Street, Rotorua, New Zealand  
PO Box 10049, Mail Centre, Rotorua, 3046  
Telephone: (07) 350 2009  
Fax: (07) 350 2008  
Toll-Free Phone: (0508) 299 299  
Website: [www.rainbowbrown.co.nz](http://www.rainbowbrown.co.nz)  
Date of Issue: July 2015

### 2. HAZARDS IDENTIFICATION

Hazard Classifications: None  
Hazard Descriptions: This material is not hazardous under HSNO.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<i>Ingredient</i>	<i>CAS Number</i>	<i>Proportion</i>
• Gibberellic Acid GA3	77-06-5	90%
• Other non-hazardous ingredients		Balance

### 4. FIRST AID MEASURES

Eyes: Flush with cold water immediately for at least 15 minutes. Seek medical advice if irritation persists.  
Skin: Wash skin well with soap and water. Wash contaminated clothing before re-use.  
Ingestion: No specific intervention indicated; product is not hazardous by ingestion.  
Inhalation: If dust is inhaled, move to fresh air. If breathing difficulty is experienced seek medical attention.  
Advice to Doctor: Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

Flash Point:	None. Not a fire or explosion hazard.
Flammable Limits:	Not flammable
Extinguishing Media:	Water spray, fog, foam, dry chemical, CO <sub>2</sub>
Fire & Explosion Hazards:	None
Fire Fighting Equipment:	Use self-contained breathing apparatus.
Fire Fighting Instructions:	If area is heavily exposed to fire and conditions permit, allow fire to burn itself out. Avoid runoff of fire fighting media to drains or waterways.
HAZCHEM:	n/a

## 6. ACCIDENTAL RELEASE MEASURES

Spills:	Shovel or sweep up. Do not flush with water. Place spilled material in a container for disposal.
---------	---

## 7. HANDLING AND STORAGE

Handling:	Read the storage/handling precautions on the product label. Avoid eye, skin & clothing contact. Avoid inhaling vapour, dust or spray mist. After work, remove protective clothing and equipment, wash hands before eating, drinking, smoking or using toilet. Wash clothing after use.
Storage:	Store in tightly closed original container in a cool, dry, well-ventilated and secure area when not in use. Do not store with food or feedstuffs.

## 8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Exposure Guidelines:	None established or required.
Engineering Controls:	Use only with adequate ventilation.
Respiratory Protection:	No special precautions are necessary for respiratory protection under normal handling conditions.
Skin Protection:	Wear overalls and gloves while mixing or spraying
Eye Protection:	Wear face shield/goggles while mixing or spraying

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Solid, white powder
Melting Point:	Not available
Bulk Density:	450g/L
pH:	3-5 (0.1% solution)
Corrosivity:	Not corrosive
Oxidisation:	Not an oxidiser

## 10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Incompatibility:	None known.
Hazardous Decomposition Products:	Decomposition will not occur.
Hazardous Polymerization:	Will not occur.

## 11. TOXOLOGICAL INFORMATION

Potential Health Effects. This section includes the possible adverse health effects that could occur if the substance is not handled as recommended.

Acute Effects-

Eye:	Not classified as an eye irritant.
Skin:	Not a primary skin irritant or sensitizer.
Ingestion:	Not toxic by ingestion.
Inhalation:	Not toxic by inhalation.
Toxicity Data:	Acute Oral LD <sub>50</sub> (rat) >5,000mg/kg Acute Dermal LD <sub>50</sub> (rabbit) >2,000mg/kg Inhalation LC <sub>50</sub> No effect (rat) at highest test level of 1.44mg/L.

## 12. ECOLOGICAL INFORMATION

Ecotoxicity Data:	Fish LD50 96hr (rainbow trout, bluegill) >150mg/L Birds LD50 (bobwhite quail)>2,250mg/kg, dietary LC50 8days >5,520mg/kg.
-------------------	---

ERMA classifies this product as non-hazardous.

## 13. DISPOSAL CONSIDERATIONS

Disposal Method: Follow the label directions.  
Triple rinse empty containers before disposal.  
Do not burn empty containers that have not been rinsed. Burn in an appropriate incinerator if circumstances such as wind direction permit.  
Otherwise crush or puncture and bury in a suitably approved landfill. Do not dispose of this product down drains or sewers. Follow all local, regional and national laws and regulations regarding hazardous waste disposal.

## 14. TRANSPORT INFORMATION

Dangerous Goods Classification:

Shipping Name: Gibberellic Acoi powder, non-hazardous  
Class: n/a  
UN Number: None allocated  
Packaging group: n/a

Transport limitations: None. Good practice suggests that this product should be segregated from food, feedstuffs, seed and fertilisers during transportation.

## 15. REGULATORY INFORMATION

ACVM Registration No: P8002  
ERMA Approval No: Not required  
Approved Handler: Approved Handler certification is NOT required to purchase, handle or apply this product, unless applied in wide dispersive manner or by a commercial contractor.  
Tracking: Not required.

## 16. OTHER INFORMATION

### Glossary

AEL	Acceptable Exposure Limit
DT <sub>50</sub>	Time (days) for 50% loss
EC <sub>50</sub>	Median effective concentration
EEL	Environmental Exposure Limit
ERMA	Environmental Risk Management Authority
HSNO	Hazardous Substances & New Organisms Act
Koc	Organic carbon partition coefficient

	(ml soil water/g organic carbon)
LFL	Lower Flammability Limit
LC <sub>50</sub>	Lethal Concentration in air or water for 50% of test organisms
LD <sub>50</sub>	Lethal Dose for 50% of test organisms
NOEL	No Observable Effect Level
OSHA	Occupational Safety & Health Administration (USA)
OSH	Occupational Safety & Health service (NZ)
PEL	Permissible Exposure Level
Pow	Octanol water partition coefficient (ratio of concentration of a chemical in octanol and water at equilibrium and at a specified temp.)
pH	Measure of acidity/alkalinity of a substance on a 1-14 scale (1=strong acid, 14 = strongly alkali)
STEL	Short Term Exposure Limit
TEL	Tolerable Exposure Limit
TLV	Threshold Limit Value – an exposure limit set by a competent authority
TWA	Time Weighted Average – average concentration of a chemical in air over a total exposure time (usually 8 hours)
UFL	Upper Flammability Limit
WES	Workplace Exposure Standard – set by ERMA/OSH

The data in this Safety Data Sheet relates only to this product alone, and not to its use in combination with other substances or products. In such circumstances, assuming the combination is permitted (refer to product labels, and contact manufacturers if in doubt), be guided by the most hazardous of the substances involved, and observe the more stringent of all hazard controls applicable to the products used.

Further Information:            Rainbow & Brown Limited  
Toll-Free Phone (0508) 299 299