


GIBB-GRO**1. PRODUCT & COMPANY IDENTIFICATION**

Product Identification/Name:	Gibb-Gro (Gibberellic Acid 90%)
Product Use:	Plant Growth Regulator
Company Identification:	Gibb-Gro Limited 29 Brick Bay Drive, Sandspit, Warkworth 0982, New Zealand
Telephone:	+64 27 498 2574
Fax:	N/A
After Hours Emergency	+64 27 498 2574
National Poisons Centre	0800 764 766
Website:	www.Gibb-Gro.co.nz
Date of Issue:	3 February 2021
Latest Revision Date:	3 February 2021

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture (HSNO):	6.4A – Eye irritant
Classification of the substance or mixture (GHS):	Serious eye damage/eye irritation Category 2
Label Elements:	
Pictogram	
Signal Word	WARNING
Hazard Statements	H319 Causes serious eye irritation.
Precautionary Statements Prevention:	P264 – Wash hands, exposed skin, thoroughly after use.

Response:	P280 – Wear eye protection/face protection. P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 – If eye irritation persists: Get medical advice/attention.
Disposal:	P501 – In accordance with the EPA Hazardous Substances (Disposal) Notice 2017. Refer to Section 13 of this SDS.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Main Component	CAS Number	Concentration
Gibberellic Acid GA3	77-06-5	90%
Ingredients not contributing to hazard		Balance

4. FIRST AID MEASURES

Eye Contact:	Hold eyes open, flush with water for at least 15 minutes. Seek medical attention if irritation develops and persists.
Skin:	Wash skin with plenty of soap and water. Wash contaminated clothing before re-use.
Ingestion:	Product is not hazardous by ingestion. Rinse mouth. Seek medical attention if symptoms develop and persist.
Inhalation:	If dust is inhaled, remove to fresh air. If effects persist seek medical attention.
Advice to Doctor:	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flash Point:	Not applicable
Flammable Limits:	Not flammable

Extinguishing Media:	Water spray, dry chemical, alcohol resistant foam, CO ₂
Fire & Explosion Hazards:	Not a fire or explosion hazard.
Fire Fighting Equipment:	Use self-contained breathing apparatus.
Fire Fighting Instructions:	Do not allow runoff to drains.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Clear area of all unprotected personnel. Keep unnecessary and unprotected personnel from entering area. Use appropriate protective clothing and equipment.
Spills:	<p>Ensure there is appropriate and adequate personal protective equipment, trained personnel and clean up materials for management of accidental release. Avoid dust formation. Avoid release to the environment.</p> <p>Shovel or sweep up spill and place into a container for disposal.</p> <p>Label disposal containers. Dispose of waste in accordance with Section 13.</p>

7. HANDLING AND STORAGE

Label:	N/A
Handling:	Avoid dust formation. Avoid contact with skin and eyes. Avoid inhaling dust. Do not eat, drink or smoke when using this product. Remove contaminated clothing and wash hands and face before entering eating areas. 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:	No established workplace exposure standard in NZ.
Engineering Controls:	Normal room ventilation is sufficient.

Respiratory Protection:	No special precautions are necessary for respiratory protection under normal handling conditions. If exposed to unusually high dust concentrations, then use an approved dust respirator.
Skin Protection:	Wear protective clothing and chemical resistant gloves while handling.
Eye Protection:	Wear safety glasses with side shields while handling.
Dust:	Recommend TWA of 10mg/m ³ for dust exposure as a safe guideline.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Solid white powder
Odour:	Not available
Odour Threshold:	Not determined
Boiling Point:	Not available
Melting point:	227°C
Freezing point:	Not available
pH:	3 – 5 (0.1% solution)
Solubility:	Water 5g/L
Evaporation rate:	Not determined
Flash Point:	Not applicable
Flammability:	Not flammable or combustible
LEL/UEL:	Not applicable
Vapour Pressure:	Not available
Decomposition Temperature:	Not available
Autoignition Temperature:	Not determined
Density:	Not available
Partition Coefficient:	Not determined
Viscosity:	Not applicable

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Reactivity:	Not reactive under normal conditions of use.
Conditions to Avoid:	No special requirements.

Incompatibility:	Avoid strong oxidisers. Keep away from food and feedstuffs.
Hazardous Decomposition Products:	Oxides of carbon may be formed.
Hazardous Polymerisation:	Will not occur.

11. TOXOLOGICAL INFORMATION

ACUTE EFFECTS:	
Acute Effects: Ingestion:	LD ₅₀ > 5000 mg/kg
Acute Effects: Inhalation:	Not expected to be harmful by inhalation under normal conditions of use.
Acute Effects: Skin:	Not expected to be harmful by skin contact. Not expected to be a skin irritant.
Acute Effects: Eye:	Irritating to eyes.
Sensitisation:	Not expected to be a respiratory or skin sensitiser.
CHRONIC EFFECTS:	
Carcinogenicity, Reproductive Toxicity, or Mutagenicity:	No known carcinogenic, reproductive/developmental or mutagenic effects.
Specific Target Organ Toxicity:	No known effects

12. ECOLOGICAL INFORMATION

Ecotoxicity:	LC ₅₀ /EC ₅₀ > 100 mg/L Not classified as ecotoxic in the aquatic environment.
Persistence/degradability:	No data available
Bioaccumulation:	No data available
Soil toxicity:	Not classified as ecotoxic in the soil environment.
Terrestrial vertebrates:	Not classified as ecotoxic to terrestrial vertebrates.
Terrestrial invertebrates:	Not classified as ecotoxic to terrestrial invertebrates.
Mobility:	No data available

13. DISPOSAL CONSIDERATIONS

Disposal Method:	Do not dispose of product down drains or sewers. Dispose via an approved waste disposal contractor.
-------------------------	---

Container Disposal:	Triple rinse containers before disposal. Recycle where possible. Dispose of via an approved waste disposal contractor.
----------------------------	--

14. TRANSPORT INFORMATION

Dangerous Goods Classification:	Not classified as a Dangerous Good for transport in accordance with NZS5433:2012, IMDG or IATA.
Shipping Name:	N/A
Class:	N/A
UN Number:	N/A
Packaging group:	N/A
Marine Pollutant:	N/A
EmS Code:	N/A

15. REGULATORY INFORMATION

ACVM Registration No:	P8012
EPA Approval No:	HSR000747
Assignment Description:	Water soluble powder containing 900 g/kg gibberellic acid
Certified Handler:	Not required
Tracking:	Not required
Compliance Certificate:	Not required
Quantity that must be secured:	Not required
Emergency Response Plan:	Not required
Secondary Containment:	Not a pooling substance.
Signage:	Not required
Fire Extinguishers:	No fire extinguisher requirement specified.
Training requirements:	All workplace personnel handling this substance are required to be trained on the safe handling and PPE requirements for the hazards associated with this substance in accordance with Clause 4.5 of the Health and Safety at Work (Hazardous Substances) Regulations 2017.

16. OTHER INFORMATION

Glossary	
AEL	Acceptable Exposure Limit
DT₅₀	Time (days) for 50% loss
EC₅₀	Median effective concentration
EEL	Environmental Exposure Limit
EPA	Environment Protection Authority
GHS	Globally Harmonised System
HSNO	Hazardous Substances & New Organisms Act
Koc	Organic carbon partition coefficient
LFL	Lower Flammability Limit
LC₅₀	Lethal Concentration in air or water for 50% of test organisms
LD₅₀	Lethal Dose for 50% of test organisms
NOEL	No Observable Effect Level
OSHA	Occupational Safety & Health Administration (USA)
OSH or Worksafe	Worksafe New Zealand
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 WorkSafe NZ

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 manufacturer 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.

Date of Safety Data Sheet: 3 February 2021

Reason for Revision: V1.0 Review and update to new legislative requirements.

Further Information: Gibb-Gro Limited
 +64-27 498 2574
