

Safety Data Sheet

according to WHS Regulations

Printing date 12.11.2020

Revision: 12.11.2020

1 Identification

Product Name: GENFARM GIBBERELIC ACID 100 GROWTH REGULATOR

Recommended Use of the Chemical and Restriction on Use: Plant Growth Regulator

Details of Manufacturer or Importer:

Nutrien Ag Solutions Limited
Level 5, Building A, 26 Talavera Road,
Macquarie Park NSW 2113, AUSTRALIA

Phone Number: (02) 9889 5400

Emergency telephone number: 1800 448 892

2 Hazard(s) Identification

Hazardous Nature:

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).



flame

Flammable Liquids 2

H225 Highly flammable liquid and vapour.



Serious Eye Damage/Irritation 2A H319 Causes serious eye irritation.

Signal Word Danger

Hazard Statements

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

Precautionary Statements

- | | |
|----------------|--|
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P233 | Keep container tightly closed. |
| P240 | Ground and bond container and receiving equipment. |
| P241 | Use explosion-proof [electrical/ventilating/lighting] equipment. |
| P242 | Use non-sparking tools. |
| P243 | Take action to prevent static discharges. |
| P264 | Wash thoroughly after handling. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. |
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. |
| 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. |
| P370+P378 | In case of fire: Use to extinguish: CO2, powder or water spray. |
| P403+P235 | Store in a well-ventilated place. Keep cool. |
| P501 | Dispose of contents/container in accordance with local/regional/national regulations. |

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3 Composition and Information on Ingredients

Chemical Characterization: Mixtures**Description:** Mixture of substances listed below with nonhazardous additions.**Hazardous Components:**

CAS: 64-17-5	Ethanol	60-100%
	⚠ Flammable Liquids 2, H225; ⚠ Serious Eye Damage/Irritation 2A, H319	

Non Hazardous Components:

CAS: 77-06-5	Gibberellic acid	10%
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4 First Aid Measures

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact:

In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

Ingestion:

If swallowed, do not induce vomiting. Rinse mouth out with water. Do not give anything by mouth to an unconscious person. Seek medical attention if symptoms develop.

Symptoms Caused by Exposure:

Inhalation: No adverse health effects expected.

Skin Contact: No adverse health effects expected.

Eye Contact: Causes serious eye irritation.

Ingestion: May cause gastrointestinal irritation, nausea and diarrhoea.

5 Fire Fighting Measures

Suitable Extinguishing Media:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Do not use full water jet.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include harmful gases and vapours.

Highly flammable.

Hazchem: •2YE

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear approved respiratory protection, chemical resistant gloves, protective clothing and safety boots.

Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation.

Extinguish all sources of ignition. Avoid sparks and open flames. No smoking. Closed containers may explode when exposed to extreme heat. Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

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Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal. Use only non-sparking tools. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage.

7 Handling and Storage

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area.

Take precautionary measures against static discharge. Do not reuse empty containers. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Protect from heat, sparks, open flames and other sources of ignition. Protect containers from damage. Keep away from strong oxidising agents and acids.

8 Exposure Controls and Personal Protection

Exposure Standards:**CAS: 64-17-5 Ethanol**WES | TWA: 1880 mg/m³, 1000 ppm**Engineering Controls:**

Maintain air concentration below occupational exposure standards, providing adequate ventilation.

Respiratory Protection:

Use an approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

Skin protection is not required under normal use conditions.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 Physical and Chemical Properties

Appearance:

Form:	Clear liquid
Colour:	Blue
Odour:	Alcohol-like
Odour Threshold:	No information available
pH-Value:	No information available

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Melting point/freezing point:	No information available
Initial Boiling Point/Boiling Range:	78 °C
Flash Point:	No information available
Flammability:	Highly flammable.
Ignition Temperature	No information available
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure:	No information available
Density:	No information available
Relative Density at 20 °C:	0.865
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Miscible
Partition Coefficient (n-octanol/water):	No information available
Viscosity:	No information available

10 Stability and Reactivity

Possibility of Hazardous Reactions: No dangerous reactions known under conditions of normal use.

Chemical Stability: Stable at ambient temperature and under normal conditions of storage and use.

Conditions to Avoid: Heat, sparks, open flames and other sources of ignition.

Incompatible Materials: Strong oxidizing agents and strong acids.

Hazardous Decomposition Products: Thermal decomposition yields harmful gases or vapours.

11 Toxicological Information

Toxicity:

LD50/LC50 Values Relevant for Classification:

CAS: 64-17-5 Ethanol

Oral	LD50	7,060 mg/kg (rat)
Inhalation	LC50/4 h	20,000 mg/l (rat)

Acute Health Effects

Inhalation: No adverse health effects expected.

Skin: No adverse health effects expected.

Eye: Causes serious eye irritation.

Ingestion: May cause gastrointestinal irritation, nausea and diarrhoea.

Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met.

Serious Eye Damage / Irritation: Causes serious eye irritation.

Respiratory or Skin Sensitisation: Based on classification principles, the classification criteria are not met.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity: This product does NOT contain any IARC listed chemicals.

Reproductive Toxicity: Based on classification principles, the classification criteria are not met.

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Specific Target Organ Toxicity (STOT) - Single Exposure:

Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.**Additional toxicological information:**

The Australian Acceptable Daily Intake (ADI) for Gibberellic acid for a human is 5 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOAEL of 550 mg/kg/day, the level determined to show no effects during long term exposure for the most sensitive indicators and the most sensitive species.

(Ref: Australian Pesticides and Veterinary Medicines Authority, 'Acceptable Daily Intakes for Agricultural and Veterinary Chemicals', 2020).

12 Ecological Information

Ecotoxicity: No adverse ecological effects are expected.**Aquatic toxicity:****CAS: 64-17-5 Ethanol**

EC50/48 h	9,268-14,221 mg/l (daphnia)
	>100 mg/l (selenastrum capricornutum)
EC50/72 h	275 mg/l (algae)
LC50/96 h	>100 mg/l (fathead minnow)
	12-16 mg/l (rainbow trout)
LC50/48 h	>100 mg/l (golden orfe)

Persistence and Degradability: The degradability of the product is not known.**Bioaccumulative Potential:** No data available on bioaccumulation.**Mobility in Soil:** No information available.

13 Disposal Considerations

Disposal Methods and Containers:

Must not be disposed together with household garbage. Do not allow product to reach sewage system. Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. Recycled containers should be returned to an appropriate recycler or designated collection point with the cap attached. If not recycling, pierce/crush/break container and deliver empty package for disposal by an approved waste management facility.

Special Precautions for Landfill or Incineration:

Please consult your state Land Waste Management Authority for more information.

If an approved waste management facility is not available bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations.

DO NOT burn empty containers or product.

14 Transport Information

UN Number

ADG, IMDG, IATA

UN1170

Proper Shipping Name

ADG

IMDG

1170 ETHANOL (ETHYL ALCOHOL)
ETHANOL (ETHYL ALCOHOL)

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IATA	ETHANOL
Dangerous Goods Class	
ADG Class:	3 Flammable liquids.
Packing Group:	
ADG, IMDG, IATA	II
EMS Number:	F-E,S-D
Hazchem Code:	•2YE
Special Provisions:	144
Limited Quantities:	1L
Packagings & IBCs - Packing Instruction:	P001, IBC02
Portable Tanks & Bulk Containers - Instructions:	T4
Portable Tanks & Bulk Containers - Special Provisions:	TP1

15 Regulatory Information

Australian Inventory of Chemical Substances:

CAS: 64-17-5 Ethanol

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Poison Schedule:

Not a scheduled poison.

Australia: Priority Existing Chemicals

None of the ingredients is listed.

16 Other Information

Date of Preparation or Last Revision: 12.11.2020**Prepared by:** MSDS.COM.AU Pty Ltdwww.msds.com.au

Abbreviations and acronyms:

ADG: Australian Dangerous Goods

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Flammable Liquids 2: Flammable liquids – Category 2

Serious Eye Damage/Irritation 2A: Serious eye damage/eye irritation – Category 2A

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - May 2018"

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