

## SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006

(Catalogue No. GA3-101)

Product name: Gibberellic Acid Technical

Grade



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Revision Date 10.04.2018 Version 1.0

### SECTION 1. Identification of the substance/mixture and of the company/undertaking

#### 1-1 Product identifier

Catalogue No.	GA3-101
Product name	Gibberellic Acid Technical Grade
Reach Registration Number	A registration number is not available for this substance as the Substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) No 1907/2006, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

#### 1-2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses	Chemical for synthesis For additional information on uses please refer to the Xyten Chemicals webpage ( <a href="http://www.xyten.com">www.xyten.com</a> )
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#### 1-3 Details of the supplier of the safety data sheet

Company	<b>Xyten Ltd 111 Newton Rd, Eden Terrace, Auckland 1010</b> <b>New Zealand</b>
Phone:	09 363 2004 e-mail: <a href="mailto:info@xyten.com">info@xyten.com</a>

<b>1-4 Emergency telephone number</b>	<b>Please contact the regional company representation in your country</b>
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### SECTION 2. Hazards identification

#### 2.1 Classification of the substance or mixture

This substance is not classified as dangerous according to European Union legislation.

#### 2.2 Label elements

**Labelling (REGULATION (EC) No 1272/2008)**

Not a dangerous substance according to GHS

**Labelling (67/548/EEC or 1999/45/EC)**

The product does not need to be labelled in accordance with EC directives or respective national laws.

#### 2.3 Other hazards

None known.

### SECTION 3. Composition/information on ingredients

Formula	C <sub>19</sub> H <sub>22</sub> O <sub>6</sub> (Hill)
CAS-No.	77-06-5

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EC-No. 201-001-0  
Molar mass 346,37 g/mol

## SECTION 4. First aid measures

### 4.1 Description of first aid measures

After inhalation: fresh air.

After skin contact: wash off with plenty of water. Remove contaminated clothing.

After eye contact: rinse out with plenty of water.

After swallowing: make victim drink water (two glasses at most). Consult doctor if feeling unwell.

### 4.2 Most important symptoms and effects, both acute and delayed

We have no description of any toxic symptoms.

### 4.3 Indication of any immediate medical attention and special treatment needed

No information available.

## SECTION 5. Fire-fighting measures

### 5.1 Extinguishing method

Suitable extinguishing product

Water, Carbon dioxide (CO<sub>2</sub>), Dry powder, Foam

Unsuitable extinguishing product

For this substance/mixture no limitations of extinguishing agents are given.

### 5.2 Special hazards arising from the substance or mixture

Combustible material, Development of hazardous combustion gases or vapors possible in the event of fire.

### 5.3 Advice for firefighters

Special protective equipment for fire-fighters

In the event of fire, wear self-contained breathing apparatus.

Further information

Prevent fire extinguishing water from contaminating surface water or the ground water system.

## SECTION 6. Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert.

Advice for emergency responders: Protective equipment see section 8.

### 6.2 Environmental precautions

Do not empty into drains.

### 6.3 Methods and materials for containment and cleaning up

Cover drains. Collect, bind, and pump off spills.

Observe possible material restrictions (see sections 7.2 and 10.5).

Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

### 6.4 Reference to other sections

Indications about waste treatment see section 13.

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## SECTION 7. Handling and storage

### 7.1 Precautions for safe handling

Observe label precautions.

### 7.2 Conditions for safe storage, including any incompatibilities

Tightly closed. Dry.

Store at +15°C to +25°C.

### 7.3 Specific end uses

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

## SECTION 8. Exposure controls/personal protection

### 8.1 Control parameters

### 8.2 Exposure controls

#### Engineering measures

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.

See section 7.1.

#### Individual protection measures

Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the respective supplier.

#### *Hygiene measures*

Change contaminated clothing. Wash hands after working with substance.

#### *Eye/face protection* Safety glasses

#### *Hand protection*

full contact:

*Glove material: Nitrile rubber*

*Glove thickness: 0,11 mm*

*Break through time: > 480 min*

splash contact:

Glove material: Nitrile rubber

Glove thickness: 0,11 mm

Break through time: > 480 min

#### *Respiratory protection*

required when dusts are generated.

Recommended Filter type: Filter P 1 (acc. to DIN 3181) for solid particles of inert substances The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

### Environmental exposure controls

Do not empty into drains.



## SECTION 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Form</b>	<b>Solid Powder</b>
<b>Color</b>	<b>white</b>
<b>Odour</b>	<b>Odourless</b>
<b>Odour</b>	<b>Threshold No information available.</b>
<b>pH</b>	<b>No information available.</b>
<b>Melting</b>	<b>point 233 - 235 °C</b>
<b>Boiling point</b>	<b>No information available.</b>
<b>Flash point</b>	<b>No information available.</b>
<b>Evaporation rate</b>	<b>No information available.</b>
<b>Flammability (solid, gas)</b>	<b>No information available.</b>
<b>Lower explosion limit</b>	<b>No information available.</b>
<b>Upper explosion limit</b>	<b>No information available.</b>
<b>Vapour pressure</b>	<b>No information available.</b>
<b>Relative vapour density</b>	<b>No information available.</b>
<b>Relative density</b>	<b>1,34 g/cm<sup>3</sup> at 20 °C</b>
<b>Solubility(ies) Solvent:</b>	<b>Ethanol 125 g/l 25 °C</b>
<b>Water solubility 5 g/l</b>	<b>at 25 °C</b>
Partition coefficient:	log Pow: 0,24
n-octanol/water	(experimental)
	Bioaccumulation is not expected. (Lit.)
Auto ignition temperature	No information available.
Decomposition temperature	> 234 °C
Viscosity, dynamic	No information available.
Explosive properties	No information available.
Oxidizing properties	No information available.

### 9.2 Other data

None

## SECTION 10. Stability and reactivity

### 10.1 Reactivity

The following applies in general to flammable organic substances and preparations: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.

**10.2 Chemical stability**

The product is chemically stable under standard ambient conditions (room temperature) .

**10.3 Possibility of hazardous reactions**

no information available

**10.4 Conditions to avoid**

no information available

**10.5 Incompatible materials**

no information available

**10.6 Hazardous decomposition products**

no information available

**SECTION 11. Toxicological information****11.1 Information on toxicological effects***Acute oral toxicity*

LD50 rat: 6.300 mg/kg (RTECS)

*Acute dermal toxicity*

LD50 rabbit: > 2.000 mg/kg (RTECS)

*Genotoxicity in vitro Ames test*

Salmonella typhimurium

Result: negative

(National Toxicology Program)

*Specific target organ toxicity - single exposure*

The substance or mixture is not classified as specific target organ toxicant, single exposure.

*Specific target organ toxicity - repeated exposure*

The substance or mixture is not classified as specific target organ toxicant,

repeated exposure. *Aspiration hazard*

Based on available data the classification criteria are not met.

**11.2 Further information**

Hazardous properties cannot be excluded but are unlikely when the product is handled appropriately.

Further data:

Substances which occur in nature

Handle in accordance with good industrial hygiene and safety practice.

**SECTION 12. Ecological information****12.1 Toxicity**

No information available.

**12.2 Persistence and degradability**

No information available.

**12.3 Bioaccumulative potential**

*Partition coefficient: n-octanol/water*

log Pow: 0,24 (experimental)

Bioaccumulation is not expected. (Lit.)

**12.4 Mobility in soil**

No information available.

**12.5 Results of PBT and vPvB assessment**

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PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

### 12.6 Other adverse effects

*Additional ecological information*

Discharge into the environment must be avoided.

## SECTION 13. Disposal considerations

*Waste treatment methods*

See [www.xyten.com](http://www.xyten.com) for processes regarding the return of chemicals and containers, or contact us there if you have further questions.

## SECTION 14. Transport information

Not classified as dangerous in the meaning of transport regulations.

## SECTION 15. Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

*EU regulations*

Major Accident Hazard 96/82/EC

Legislation Directive 96/82/EC does not apply

Storage class 10 - 13

### 15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

The Safety Data Sheets for catalogue items are available at [www.xyten.com](http://www.xyten.com)

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## SECTION 16. Other Information Training advice

Provide adequate information, instruction and training for operators.

### Key or legend to abbreviations and acronyms used in the safety data sheet

Used abbreviations and acronyms can be looked up at [www.wikipedia.org](http://www.wikipedia.org).

### Regional representation

This information is given on the authorized Safety Data Sheet for your country.

*The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of any properties of the product.*