

## SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006

(Catalogue No. ABA-101)

Product name: Abscisic 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.	ABA-101
Product name	Abscisic 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>

**1-4 Emergency telephone** Please contact emergency services in your country.

### 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>15</sub> H <sub>20</sub> O <sub>4</sub>
CAS-No.	21293-29-8
Molar mass	264.32 g/mol

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### 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

No information

#### 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

Not available.

#### 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.

### 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**

**Contains no substances with occupational exposure limit values.**

**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 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.

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### SECTION 9. Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

<b>Form</b>	<b>Powder</b>
<b>Color</b>	<b>White</b>
<b>Odour</b>	<b>None</b>
<b>pH</b>	<b>No information available.</b>
<b>Melting point</b>	<b>187 °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>No information available.</b>
<b>Water solubility 5 g/l</b>	<b>No information available.</b>
<b>Partition coefficient:</b>	<b>No information available.</b>
n-octanol/water	(experimental)
	Bioaccumulation is not expected. (Lit.)
<b>Auto ignition temperature</b>	<b>No information available.</b>
<b>Decomposition temperature</b>	<b>No information available.</b>
<b>Viscosity, dynamic</b>	<b>No information available.</b>
<b>Explosive properties</b>	<b>No information available.</b>
<b>Oxidizing properties</b>	<b>None</b>

#### 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) .

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### 10.3 Possibility of hazardous reactions

Violent reactions possible with:

**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: **No information available.**

### 11.2 Further information

After absorption: Systemic effects:

Hazardous in case of skin contact ( irritant) of ingestion, of inhalation ( lung irritant).

## 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: 2.25 (experimental)

Bioaccumulation is not expected. (Lit.)

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

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**

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### *EU regulations*

Major Accident Hazard Legislation	96/82/EC 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.*