

Section 1. Identification

1.1 Product Identifier	0160
Product Name	GIBBERELLIC ACID
CAS Number	77-06-5
REACH Registration No	A registration number is not available as the substance or its uses are exempt, the annual tonnage does not require a registration or the registration is envisaged for a later date.
Molecular Formula	$C_{11}H_{12}O_6 = 346.37$

1.2 Relevant identified uses of the substance or mixture & uses advised against

Uses of Material Chemical for industrial and laboratory use. Not suitable for domestic use.

1.3 Supplier



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Section 2. Hazards Identification

2.1 Classification of the substance or mixture

Classification according to regulation 1272/2008/EC

Serious eye damage/irritation, category 2

H319: Causes serious eye irritation.

2.2 Label elements

Labelling according to regulation 1272/2008/EC

Signal word Warning

Hazard Pictograms



Hazard Statements Causes serious eye irritation.

Precautionary Statements IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do, continue rinsing.

Section 3. Composition

3.1 Substances

Component	CAS No.	EEC No.	REACH No.	Conc w/w	CLP Classification (1272/2008/CE)
Gibberellic acid	77-06-5	201-001-0		>95%	Eye Irrit. 2

Section 4. First Aid

4.1 Description of first aid measures

Eyes	Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. Irrigate thoroughly with plenty of water until MEDICAL ATTENTION has been obtained.
Skin	Wash off skin thoroughly with water. Remove contaminated clothing immediately and wash before re-use.
Inhalation	Remove from exposure. Keep warm and at rest. If there is difficulty in breathing give oxygen if available. If breathing stops or shows signs of failing, apply artificial resuscitation.
Ingestion	Wash out the patients mouth thoroughly with water. Do not induce vomiting. OBTAIN MEDICAL ATTENTION URGENTLY.
Personal protection for first aiders	Wear protective gloves / eye protection.

4.2 Most important symptoms and effects, both acute & delayed.

No further relevant information available.

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

No further relevant information available.

Section 5. Fire Fighting

5.1 Extinguishing media

Extinguishing Media	Water spray, foam, dry powder or carbon dioxide.
Unsuitable Media	Do not use water jet.

5.2 Special hazards arising from the substance or mixture

Hazards	Presents no specific fire danger.
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5.3 Advice for firefighters

Advice for firefighters	Fire-fighters should wear protective clothing and breathing apparatus.
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Section 6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Protection	Ensure no sources of ignition. Avoid breathing dust. Use approved personal protective equipment.
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6.2 Environmental precautions

Environmental	Do not discharge into drains or rivers.
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6.3 Methods and material for containment and cleaning up

Major Spillage	Wet material with water to make it damp. This will prevent dispersal of the dust during disposal. Transfer to a closable, labelled salvage container for disposal.
Minor Spillage	Wash area down with copious amounts of water.

6.4 Reference to other sections

See section 8.2 for information on protective equipment and section 13 for information on disposal.

Section 7. Storage & Handling

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Do not breath dust. Do not allow to contaminate clothing. Ensure Local Exhaust Ventilation maintains dust concentrations to a minimum.

Fire-fighters should wear self-contained breathing apparatus.

7.2 Conditions for safe storage, including any incompatibilities

Store in well ventilated area. Keep container tightly closed.

7.3 Specific end use(s)

See section 1.2.

Section 8. Workplace Exposure & Personal Protection

8.1 Control parameters

Component	CAS No	Concentration	Workplace Exposure Limits	
			Long Term (8hr TWA)	Short Term 15min period
Gibberellic acid	77-06-5	>95%	-	-

Exposure data source(s) No occupational exposure data currently available.

8.2 Exposure controls

Respiratory Protection	If process creates significant amounts of dust use L.E.V. or wear suitable dust mask.
Hand Protection	Wear suitable gloves.
Eye Protection	Use tightly fitting chemical splash proof glasses or goggles.
Skin Protection	Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn.
Special Hazards	No special precautions required.

Section 9. Physical & Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance	White powder.
Odour	No data available.
pH	Not applicable
Boiling Point	Not available
Melting Point	225°C Approx.
Flash Point	Not applicable
Upper Flammable Limit	Not applicable
Lower Flammable Limit	Not applicable
Auto Ignition	Not applicable
Explosive Properties	No data available.
Oxidising Properties	No data available.
Vapour Pressure	Not applicable
Relative Density	Not available
Water Solubility	Not available

9.2 Other information

No data available.

Section 10. Stability & Reactivity

- 10.1** Reactivity No data available.
- 10.2** Chemical Stability No data available.
- 10.3** Possibility of hazardous reactions No data available.
- 10.4** Conditions to Avoid No data available.

- 10.5 Incompatible Materials Strong oxidising agents.
- 10.6 Hazardous Decomposition Products No data available.

Section 11. Toxicological Information

11.1 Information on toxicological effects

Eyes	Causes serious eye irritation.
Skin	May be harmful in contact with skin. May be irritating to the skin.
LD50 Skin	>2000mg/kg Rabbit
Ingestion	May be harmful if swallowed.
LD50 Oral	6300mg/kg Rat
Inhalation	May be harmful if inhaled. May cause respiratory irritation.
LD50 Inhalation	Not available
TCLo	Not available
Carcinogenicity	No data available.
Mutagenicity	No data available.
Reproductive Effects	No data available.

Section 12. Ecological

- 12.1 Toxicity Presents no major environmental hazard.
- LC50 Algal Not available
- LC50 Crustacea Not available
- LC50 Fish >150mg/kg Rainbow trout
- 12.2 Persistence and degradability No data available.
- 12.3 Bioaccumulative potential No data available.
- 12.4 Mobility in soil No data available.
- 12.5 Results of PBT & vPvB assessment Assessment not required.
- 12.6 Other adverse effects None known at present.

Section 13. Disposal Considerations

13.1 Waste treatment methods

Disposal Methods	Sweep up and transfer to a suitable container for disposal. Avoid creating dust.
Contaminated Packaging	Use a licensed waste disposer.

Section 14. Transport Information

14.1 UN Number	Non-restricted
14.2 Proper Shipping Name	Non-restricted
14.3 Transport classes	
UN classification	None
Subsidiary hazard(s)	None
Transport category	None
ADR Hazard ID	Non-restricted
Tunnel Restriction Code	Non-restricted
14.4 Packing Group	None
14.5 Environment hazards	See section 12.
14.6 Special precautions for user	No special precautions required.
14.7 Transport in bulk	Not transported in bulk.

Section 15. Regulatory Information

15.1 Safety, health and environment regulations specific for substance/mixture.

Classification, Labeling & Packaging of Substances & Mixtures Regulations (1272/2008/CE)

Classification Serious eye damage/irritation, category 2

Signal word Warning

Hazard Pictograms



Hazard Statements H319
Causes serious eye irritation.

Precautionary Statements P305, P351, P338
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do, continue rinsing.

15.2 Chemical safety assessment

Assessment not required.

Section 16. Other Information

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment. See sections 11 for toxicological information and section 12 for ecological information.

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