

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

## 1.1. Product identifier

**Product Identity** Gibberellic Acid Tablet 10gm W/S  
**Alternate Names** Not Applicable

## 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Intended Uses and Uses Advised Against** Plant Nutrition

## 1.3. Details of the supplier of the safety data sheet

**Company Name** Image Holdings Limited  
 50 Central Park Drive  
 Henderson  
 Auckland 0610  
 New Zealand

**Emergency**

**24 hour Emergency Telephone No.** National Poisons Information Centre: 0800 POISON [0800 764 766]  
 Other Emergency Number: +64 21 934 058  
 Transport Emergency: 111 - Tell operator what service is needed: Fire, Ambulance,  
 Police.

**Customer Service: Image Holdings Limited** +64 9 834 3783

**Email Address** info@imageholdings.co.nz  
 Website: www.imageholdings.co.nz

## Section 2. Hazard identification of the product

## 2.1. Classification of the substance or mixture

Classification in accordance with GHS revision 7 and New Zealand EPA's Hazardous Substances and New Organisms (HSNO) and Worksafe's Health and Safety at Work Act (HSWA) regulations.

Eye Irrit. 2;H319 Causes serious eye irritation.

## 2.2. Label elements



H319 Causes serious eye irritation.

**[Prevention]**

P264 Wash thoroughly after handling.  
 P280 Wear protective gloves, eye protection, and face protection.

**[Response]**

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+313 If eye irritation persists: Get medical advice or attention.

**[Storage]**

No GHS storage statements

**[Disposal]**

No GHS disposal statements

**2.3. Other hazards**

This product contains no PBT/vPvB/vPvM chemicals.

This product contains no endocrine disrupting chemicals.

### Section 3. Composition/information on ingredients

If the product contains substances that present a hazard according to the WHS Regulations, they are listed below.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Gibb-3-ene-1,10-dicarboxylic acid,2,4a,7-trihydroxy-1-methyl-8-methylene-, 1,4a-lactone,(1.alpha.,2.beta.,4a.alpha.,4b.b CAS Number: 77-06-5	10 - 25	Eye Irrit. 2;H319 Aquatic Chronic 3;H412	

In accordance with the WHS Regulations, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

\*PBT/vPvB - PBT,vPvB, or vPvM-substance.

The full texts of the phrases are shown in Section 16.

### Section 4. First aid measures

**4.1. Description of first aid measures**

**General** In all cases of doubt, or when symptoms persist, seek medical attention.

Never give anything by mouth to an unconscious person.

**Inhalation** Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

**Eye** Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

**Skin** Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

**Ingestion** If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

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

**Overview** No specific symptom data available.

No chronic toxicity or long term toxicity information available. Treat symptomatically. See section 2 for further details.

**Eye** Causes serious eye irritation.

**4.3. Indication of any immediate medical attention and special treatment needed****Notes to physician**

Treat symptomatically.

**Section 5. Fire-fighting measures****5.1. Extinguishing media**

Recommended extinguishing media; alcohol resistant foam, CO<sub>2</sub>, powder, water spray.  
Unsuitable extinguishing media: Do not use; water jet.

**5.2. Special hazards arising from the substance or mixture**

Hazardous decomposition: No hazardous decomposition data available.

**5.3. Advice for fire-fighters**

As with all fires, wear positive pressure, self-contained breathing apparatus, (SCBA) with a full face piece and protective clothing. Persons without respiratory protection should leave area. Wear SCBA during clean-up immediately after fire. No smoking.

**Section 6. Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Put on appropriate personal protective equipment (see section 8).  
Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

**6.2. Environmental precautions**

Do not allow spills to enter drains or waterways.

**6.3. Methods and material for containment and cleaning up**

Sweep up or pick up.

**6.4 Reference to other sections**

See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

**Section 7. Handling and storage****7.1. Precautions for safe handling**

Handle containers carefully to prevent damage and spillage.  
See section 2 for further details. - [Prevention]

**7.2. Conditions for safe storage, including any incompatibilities**

Incompatible materials: No available information  
See section 2 for further details. - [Storage]

**7.3. Specific end use(s)**

No available information

## Section 8. Exposure controls / personal protection

## 8.1. Control parameters

## Exposure Limits

CAS No.	Ingredient	Source	Value
77-06-5	Gibb-3-ene-1,10-dicarboxylic acid,2,4a,7-trihydroxy-1-methyl-8-methylene-, 1,4a-lactone,(1.alpha.,2.beta.,4a.alpha.,4b.b	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit

## 8.2. Exposure controls

<b>Respiratory</b>	If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.
<b>Eyes</b>	Protective safety glasses recommended
<b>Skin</b>	Avoid skin contact. Protective gloves recommended.
<b>Engineering Controls</b>	Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.
<b>Other Work Practices</b>	Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

## Section 9. Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Color: White
<b>Physical State</b>	Solid
<b>Odor</b>	Odourless
<b>Odor threshold</b>	No available information
<b>pH</b>	5.0 - 7.5
<b>Melting point / freezing point</b>	233 - 235 C
<b>Initial boiling point and boiling range</b>	No available information
<b>Flash Point</b>	No available information
<b>Evaporation rate (Ether = 1)</b>	No available information
<b>Flammability (solid, gas)</b>	Not Applicable
<b>Upper/lower flammability or explosive limits</b>	<b>Lower Explosive Limit:</b> No available information <b>Upper Explosive Limit:</b> No available information
<b>Vapor pressure (Pa)</b>	No available information
<b>Vapor Density</b>	No available information
<b>Relative Density</b>	1.16 g/cm <sup>3</sup>
<b>Solubility in Water</b>	Soluble
<b>Partition coefficient n-octanol/water (Log Kow)</b>	No available information
<b>Auto-ignition temperature</b>	No available information
<b>Decomposition temperature</b>	No available information
<b>Viscosity (cSt)</b>	No available information
<b>Oxidising properties</b>	No available information
<b>Explosive properties</b>	No available information
<b>Particle Characteristics</b>	---

**9.2. Other information**

No other relevant information.

### Section 10. Stability and reactivity

**10.1. Reactivity**

Hazardous Polymerization will not occur.

**10.2. Chemical stability**

Stable under normal circumstances.

**10.3. Possibility of hazardous reactions**

No available information

**10.4. Conditions to avoid**

Avoid high temperatures and contact with incompatible material

**10.5. Incompatible materials**

No available information

**10.6. Hazardous decomposition products**

No hazardous decomposition data available.

### Section 11. Toxicological information

**Acute toxicity**

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapour LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Gibb-3-ene-1,10-dicarboxylic acid,2,4a,7-trihydroxy-1-methyl-8-methylene-, 1,4a-lactone,(1.alpha.,2.beta.,4a.alpha.,4b.b - (77-06-5)	6,300.00, Rat - Category: NA	2,000.00, Rabbit - Category: 4	No data available	No data available.	No data available.

**Carcinogen Data**

CAS No.	Ingredient	Source	Value
77-06-5	Gibb-3-ene-1,10-dicarboxylic acid,2,4a,7-trihydroxy-1-methyl-8-methylene-, 1,4-lactone,(1.alpha.,2.beta.,4a.alpha.,4b.b	OSHA NTP IARC ACGIH	Regulated Carcinogen: No; Known: No; Suspected: No; Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; No Established Limit

Classification	Category	Hazard Description
Serious eye damage/irritation	2	Causes serious eye irritation.
STOT-repeated exposure	---	---

**11.2 Information on other hazards****11.2.1. Endocrine disrupting properties**

This product contains no endocrine disrupting chemicals.

## Section 12. Ecological information

**12.1. Toxicity**

No additional information provided for this product. See Section 3 for chemical specific data.

**Aquatic Ecotoxicity**

Ingredient	96 hr LC50 fish, mg/L	48 hr EC50 crustacea, mg/L	ErC50 algae, mg/L
Gibb-3-ene-1,10-dicarboxylic acid,2,4a,7-trihydroxy-1-methyl-8-methylene-, 1,4a-lactone,(1.alpha.,2.beta.,4a.alpha.,4b.b - (77-06-5)	No data available.	No data available.	No data available.

**12.2. Persistence and degradability**

There is no data available on the preparation itself.

**12.3. Bioaccumulative potential**

No available information

**12.4. Mobility in soil**

No available information

**12.5. Results of PBT and vPvB assessment**

This product contains no PBT/vPvB/vPvM chemicals.

**12.6 Endocrine disrupting properties**

This product contains no endocrine disrupting chemicals.

**12.7. Other adverse effects**

No available information

## Section 13. Disposal considerations

**13.1. Waste treatment methods**

Observe all federal, state and local regulations when disposing of this substance.

## Section 14. Transport information

	ADR/RID	IMO / IMDG (Ocean Transportation)	ICAO/IATA
<b>14.1. UN number</b>	Not Regulated	Not Regulated	Not Regulated
<b>14.2. UN proper shipping name</b>	Not Regulated	Not Regulated	Not Regulated
<b>14.3. Transport hazard class(es)</b>	<b>Class:</b> Not Applicable <b>Sub Class:</b> Not Applicable	<b>Class:</b> Not Applicable <b>Sub Class:</b> Not Applicable	<b>Class:</b> Not Applicable <b>Sub Class:</b> Not Applicable
<b>14.4. Packing group</b>	Not Applicable	Not Applicable	Not Applicable

**14.5. Environmental hazards**

IMDG Marine Pollutant: No;

**14.6. Special precautions for user**

No available information

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not Applicable

**Section 15. Regulatory information**

Classification in accordance with GHS revision 7 and New Zealand EPA's Hazardous Substances and New Organisms (HSNO) and Worksafe's Health and Safety at Work Act (HSWA) regulations.

**HSNO Approval Number:**HSR002571: Fertilisers (Subsidiary Hazard) Group Standard 2020

**Section 16. Other information**

**Revision Date** 12/5/2025  
**Revision Number** @R-G1127

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

**Disclaimer:** The information presented herein is supplied as a guide to those who handle or use this product. Safe work practices must be employed when working with any materials. It is important that the end user makes a determination regarding the adequacy of the safety procedures employed during the use of this product.

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