

SDS DATE 29/03/2017

## SECTION 01 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: CYCLONE ROOTING HORMONE GEL  
Product type: Flower Enhancer  
Synonyms: N/A  
Product codes: CYCLONE C743275  
Manufacturer: SJ Enterprises Pty Ltd  
Division: Australia  
Address: 7 O'Conner Court, Gepps Cross, South Australia, 5094 Australia  
Emergency phone: +61 8 8359 8732  
Chemtrec phone: N/A  
Other calls: +61 0430 217 040  
Fax phone: +61 8 83598732  
Chemical name: N/A  
Chemical family: N/A  
Chemical formula: N/A  
Product use: Hormone gel for promoting root growth in softwood and semi-hardwood cuttings  
Prepared by: SJ ENTERPRISES PTY LTD Safety Data Sheet

## SECTION 02 - HAZARDS IDENTIFICATION

**Emergency overview:** Calcium Nitrate on It's own is a strong oxidizer; Due to this product only consisting of 5% of this constituent it is important to note that there is only a very minimal chance of this product causing irritation to the skin, eyes and respiratory tract. This product is harmful though if swallowed or long exposure to inhalation.

**Routes of entry:**

**Eyes:** May cause irritation, redness and pain.

**Skin:** May cause itching to skin. Symptoms include redness, itching and pain.

**Ingestion:** May cause irritation to the gastrointestinal tract. Symptoms may include nausea, vomiting and diarrhea.

**Inhalation:** May cause mild irritation to the respiratory tract. Symptoms may include coughing, shortness of breath.

**Acute Health Hazards:** No Information found

**Chronic health hazards:** No known chronic hazards. Not listed by NTP, IARC or OSHA as a carcinogen.

**Medical conditions generally aggravated by exposure:** No Data found.

### Carcinogenicity

**Osha:** N/A **ACGIH:** N/A **NTP:** N/A **IARC:** N/A

**Other:** N/A

## SECTION 03 - COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL ENTITY	CAS NO.	PROPORTION
Indole-3-butyric acid	133-32-4	3g/l
Ingredients determined to be non-hazardous	-	Balance
		<hr/>
		100%

## SECTION 04 - FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (**Phone Australia 131 126, New Zealand 0800 764 766, United States 1-800-222-1222**).

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.

**SKIN:** Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation develops.

**INGESTION:** Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

**INHALATION:** Remove the victim exposure – avoid becoming a causality, seek medical advice

**NOTES TO PHYSICIANS:** Treat symptomatically.

**PPE for First Aiders:** Wear overalls, safety glasses and impervious gloves. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

## SECTION 05 - FIRE FIGHTING MEASURES

Hazchem Code: Not applicable.

Suitable extinguishing media: If material is involved in a fire use water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

Specific hazards: Non-combustible material.

Firefighting further advice: Not combustible, however following evaporation of aqueous component residual material can burn if ignited. On burning, may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapor or products of combustion.

## **SECTION 06 - ACCIDENTAL RELEASE MEASURES**

### **SMALL SPILLS**

Wear protective equipment to prevent skin and eye contamination. Wipe up with absorbent (clean rag or paper towels). Allow absorbent to dry before disposing with normal household garbage.

### **LARGE SPILLS**

Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapors. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. If contamination of crops or waterways has occurred advise emergency services or State Department of Agriculture.

Dangerous Goods – Initial Emergency Response Guide No: Not applicable.

## **SECTION 07 - HANDLING AND STORAGE**

Handling: Avoid skin and eye contact and inhalation of vapor.

Storage: Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for leaks.

## **SECTION 08 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

National occupational exposure limits: No value assigned for this specific material by Safe Work Australia or Department of Labour New Zealand.

Biological Limit Values: As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.

Engineering measures: Natural ventilation should be adequate under normal use conditions. Keep containers closed when not in use.

**Personal protection equipment: OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES, MANUFACTURING, PACKAGING AND TRANSPORT:**

### **RECOMMENDATIONS FOR CONSUMER USE:**

Wash hands after use, Hygiene measures: Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid skin and eye contact and inhalation of vapor. Ensure that eyewash stations and safety showers are close to the workstation location.

## SECTION 09 - PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Red gel

**Odour:** Odourless

**Physical state:** liquid gel

**ph as supplied:** 3.6 ph

**ph (other):**

**Boiling point:** N/A

**Melting point:** f: n/a c: n/a

**Freezing point:** f: 32 c: 0

**Vapor pressure (20°C):** N/A

**Vapor density (air = 1):** >1

**Specific gravity (20°C):** Approx. 1.3

**Solubility in water:**

**Percent solids by weight:**

**Percent volatile:**

by wt/ by vol @ f: c:

**Viscosity:** N/A

## SECTION 10 - STABILITY AND REACTIVITY

**Reactivity:** No reactivity hazards are known for the material.

**Chemical Stability:** This material is thermally stable when stored and used as directed.

**Conditions to avoid (stability):** Elevated temperatures.

**Incompatibility (material to avoid):** Oxidising agents

**Hazardous decomposition or by-products:** Oxides of carbon and nitrogen, smoke and other toxic fumes.

## SECTION 11 - TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

### Acute Effects

**Inhalation:** Where this material is used in a poorly ventilated area, at elevated temperatures or in confined spaces, vapor may cause irritation to mucous membranes and respiratory tract, headache and nausea.

**Skin contact:** Contact with skin may result in irritation.

**Ingestion:** No adverse effects expected however large amounts may cause nausea and vomiting.

**Eye contact:** May be an eye irritant.

### Acute toxicity

**Inhalation:** This material has been classified as non-hazardous.

**Skin contact:** This material has been classified as non-hazardous.

**Ingestion:** This material has been classified as non-hazardous.

**Corrosion/Irritancy:** Eye: this material has been classified as not corrosive or irritating to eyes.

**Skin:** this material has been classified as not corrosive or irritating to skin.

**Sensitization:** Inhalation: this material has been classified as not a respiratory sensitizer. Skin: this material has been classified as not a skin sensitizer.

**Aspiration hazard:** This material has been classified as non-hazardous.

**Specific target organ toxicity (single exposure):** This material has been classified as non-hazardous.

#### **Chronic Toxicity**

**Mutagenicity:** This material has been classified as non-hazardous.

**Carcinogenicity:** This material has been classified as non-hazardous.

**Reproductive toxicity (including via lactation):** This material has been classified as non-hazardous.

**Specific target organ toxicity (repeat exposure):** This material has been classified as non-hazardous.

### **SECTION 12 - ECOLOGICAL INFORMATION**

Avoid contaminating waterways.

**Acute aquatic hazard:** No information is available to complete an assessment.

**Long-term aquatic hazard:** No information is available to complete an assessment.

**Ecotoxicity:** No information available.

**Persistence and degradability:** No information available.

**Bio accumulative potential:** No information available.

**Mobility:** No information available

### **SECTION 13 - DISPOSAL CONSIDERATIONS**

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.

If possible material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international Regulations.

### **SECTION 14 - TRANSPORT INFORMATION**

#### **U.S. department of transportation not regulated**

Proper shipping name:

Hazard class:

**ID number:**

**Packing group:**

**Label statement:**

#### **Water transportation not regulated**

**Proper shipping name:**



Hazard class:  
TD number:  
Packing group:  
Label statements:

**Air transportation not regulated**

Proper shipping name:  
Hazard class:  
ID number:  
Packing group:  
Label statements:

**SECTION 15 - REGULATORY INFORMATION**

This material is not subject to the following international agreements:  
Montreal Protocol (Ozone depleting substances)  
The Stockholm Convention (Persistent Organic Pollutants)  
The Rotterdam Convention (Prior Informed Consent)  
Basel Convention (Hazardous Waste)  
International Convention for the Prevention of Pollution from Ships (MARPOL)  
This material/constituent(s) is covered by the following requirements:

- All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).
- The Agricultural and Veterinary Chemicals Act (Commonwealth) and/or applicable Commonwealth, State or Territory control-of-use legislation.

**SECTION 16 - OTHER INFORMATION**

Due to the low level of Calcium Nitrate and potassium phosphate found within this product the normal transport & Regulatory product information does not apply.

Other information: n/a  
Preparation information: n/a



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