



# SAFETY DATA SHEET

January 2023

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## 1. IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

**Product Name:** Growth Technology Hydroponic Nutrient – Bulk Pack

**Manufacturer:** Growth Corporation Pty Ltd  
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Emergency telephone number: National Poison Information Centre 13 11 26

Recommended Use of the Product and Restriction on Use: Hydroponic nutrient concentrate

## 2. HAZARDS IDENTIFICATION

### Hazardous Nature:

Classified as hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals and Safe Work Australia criteria

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7<sup>th</sup> edition)

Ingestion: can cause severe gastrointestinal distress, abdominal pain, nausea, vomiting and diarrhoea

Eye: can cause serious eye damage.

Skin: can cause irritation.

Inhalation: causes irritation of the respiratory tract. Symptoms may include coughing and shortness of breath.

## 3. COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with non hazardous additions.

Hazardous Components:

13477-34-4 Calcium Nitrate Tetrahydrate: eye damage, acute toxicity

14025-21-9 Zinc EDTA chelate: eye irritation

1303-96-4 Disodium tetraborate, decahydrate: reproductive issues

14025-15-1 Sodium copper ethylenediaminetetraacetate: acute toxicity

13446-49-6 Molybdc acid, dipotassium salt: skin irritation, eye irritation

## 4. FIRST AID MEASURES

Ingestion: may cause gastrointestinal distress, abdominal pain, nausea, vomiting and diarrhoea. Drink large quantities of water. Seek medical assistance. Never give anything by mouth to an unconscious person.

Eyes: can cause irritation. Do not allow victim to rub eyes or keep eyes closed. Remove contact lenses. Flush eyes with water for 15 minutes. Seek medical assistance.

Skin: may cause irritation. Flush exposed area with water and soap. Remove contaminated clothes.

Inhalation: remove person to fresh air. Support breathing if necessary. Administer oxygen if necessary. Consult a doctor.

When this product is dissolved in aqueous solution it is not an inhalation hazard.

## 5. FIRE AND EXPLOSION DATA

This product is not flammable; however, some components are oxidizing agents and can intensify combustion of flammable materials. May explode in heat of fire.

Fire Fighting: use dry chemical extinguisher, carbon dioxide, water spray, fog or foam.

Fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus with a full-face mask.

## 6. ACCIDENTAL RELEASE MEASURES

Spill Procedure: dampen with water sweep up carefully to avoid dispersal in air and hold for reclamation or disposal.

Personal Precautions Arising from the Product: Wear appropriate personal protective equipment. Do not breathe dust

Environmental Precautions: prevent spillage from entering waterways.

## 7. HANDLING AND STORAGE

Precautions: Avoid ingestion, skin contact, eye contact and inhalation. Wear protective eye wear and gloves. If used as directed respiratory protection is not necessary.

Storage: store in sealed containers out of direct sunlight. Separate from flammable and combustible materials. Keep away from reducing agents, oil and organic solvents.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls: Provide general or local exhaust ventilation systems to maintain airborne concentration as low as possible.

Administrative Controls: Avoid breathing dust.

Respiratory Protection: If this product is used as directed respiratory protection is not required.

Eye Protection: Protective goggles should be worn when handling this product. Contact lenses pose a hazard. Soft lenses may absorb irritants and all contact lenses concentrate irritants.

Protective Clothing: Wear neoprene or nitrile gloves when directly handling the product.

Safety Stations: Eye wash stations, quick drench showers and washing facilities should be readily available when handling large quantities of this product.

Other: Never eat, drink, or smoke in work areas.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: off white powder

Form: powder

Boiling point: na

Vapour pressure: na

Specific gravity: na

Solubility: soluble in water

Stability: stable

Hazardous polymerisation: will not occur

Flammability: non-flammable

**10. STABILITY AND REACTIVITY**

Stability: Stable at room temperature in closed containers, under normal storage and handling conditions. Unstable at high temperatures and if mixed with organic materials, oil and organic solvents.

Conditions to Avoid: Mixture with combustible materials and high temperatures.

Hazardous Decomposition Products: At extreme temperatures, irritating and highly toxic gases may be produced.

**11. TOXICOLOGICAL INFORMATION**

Some chemicals in this product are toxic by ingestion, inhalation or dermal contact.

**12. ECOLOGICAL INFORMATION**

Ecotoxicity: No information available

Aquatic Toxicity: No information available, however take all precautions against this product entering water courses.

Persistence and Degradability: No information available

Bioaccumulative Potential: No information available.

Mobility in Soil: Portion not taken up by plants can leach to groundwater.

**13. DISPOSAL CONSIDERATIONS**

Waste Disposal: Follow local, state and federal regulations.

**14. TRANSPORT INFORMATION**

Not regarded as a dangerous good.

UN Number: none allocated.

DG Class: none allocated

Packing Group: none allocated

Hazchem Code: none allocated

Poisons Schedule: none allocated

**15. REGULATORY INFORMATION**

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule: Not scheduled.

**16. OTHER INFORMATION**

Date of Preparation: 10/01/2017

Revision 1: 04/05/2021

Revision 2: 09.01.2023

Disclaimer: The SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals – December 2011.

The material contained in this SDS is provided in good faith and is believed to be accurate at the date of issuance.

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