



Safety Data Sheet

according to WHS Regulations

Printing date 21.07.2020

Revision: 21.07.2020

1 Identification

Product Name: GROW XL

Other Means of Identification: Mixture

Recommended Use of the Chemical and Restriction on Use: Hydroponic growth stimulant.

Details of Manufacturer or Importer:

SJ Enterprises Pty Ltd
7 O'Connor Court
Gepps Cross 5094
Adelaide SA

Phone Number: 61 8 83598732

Emergency telephone number: 800-424-9300 or 043 0217 040

2 Hazard(s) Identification

Hazardous Nature:

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.
Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).



corrosion

Skin Corrosion/Irritation 1B H314 Causes severe skin burns and eye damage.

Serious Eye Damage/Irritation 1 H318 Causes serious eye damage.

Signal Word Danger

Hazard Statements

H314 Causes severe skin burns and eye damage.

Precautionary Statements

- P260 Do not breathe dusts or mists.
- P264 Wash thoroughly after handling.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
- P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 Immediately call a POISON CENTER/doctor.
- P321 Specific treatment (see on this label).
- P363 Wash contaminated clothing before reuse.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local/regional/national regulations.

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:

CAS: 7664-38-2	Phosphoric acid	30 - 60%
	Skin Corrosion/Irritation 1B, H314; Serious Eye Damage/Irritation 1, H318; Acute Toxicity (Inhalation) 4, H332	

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4 First Aid Measures

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap for at least 30 minutes. Seek medical attention if symptoms occur.

Eye Contact:

In case of eye contact, hold eyelids open and rinse with water for at least 30 minutes. Remove contact lenses, if present and easy to do. Seek medical attention if symptoms occur.

Ingestion:

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give one glass of water or milk. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Seek immediate medical attention.

Symptoms Caused by Exposure:

Inhalation: May cause irritation, coughing, choking and shortness of breath.

Skin Contact: Causes severe skin burns and ulceration.

Eye Contact: Causes serious eye damage.

Ingestion: May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

5 Fire Fighting Measures

Suitable Extinguishing Media: Use fire extinguishing methods suitable to surrounding conditions.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include oxides of phosphorus.

This product is not flammable, but may burn or decompose in a fire.

Contact with metals may generate flammable hydrogen gas.

Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

Special Protective Equipment and Precautions for Fire Fighters:

Mouth respiratory protective device.

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear approved respiratory protection, chemical resistant gloves, protective clothing and safety boots.

Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation.

Spilt product may be slippery.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material.

Collect the spilled material and place into a suitable container for disposal. Wash spill area with plenty of water.

Neutralise spill with sodium carbonate or crushed limestone.

7 Handling and Storage

Precautions for Safe Handling:

Contact with metals may generate flammable hydrogen gas.

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area.

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Empty containers may retain product residue. Do not reuse empty containers. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Shelf life of Cyco liquid products will depend on following these recommendations. Keep products tightly closed in a dark, cool, well ventilated location. The unopened product has a shelf life of approx. 2 years, once the seal is broken the product has a shelf life of approx. 3 months. Always replace the cap as soon as possible after pouring to extend the life of the product once opened. Do not store for long periods above 40°C or below -10°C. Protect against physical damage. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

8 Exposure Controls and Personal Protection

Exposure Standards:**CAS: 7664-38-2 Phosphoric acid**

WES	STEL: 3 mg/m ³ TWA: 1 mg/m ³
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Engineering Controls: Natural ventilation should be adequate under normal use conditions.

Respiratory Protection:

Use an approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

Protective gloves are recommended for persons with sensitive skin. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 Physical and Chemical Properties

Appearance:

Form:	Liquid
Colour:	Light pink
Odour:	Odourless
Odour Threshold:	No information available
pH-Value:	0.5
Melting point/freezing point:	0 °C
Initial Boiling Point/Boiling Range:	100 °C
Flash Point:	Not applicable
Flammability:	Product is not flammable.
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure:	No information available
Density:	No information available

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Relative Density:	No information available
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	No information available
Partition Coefficient (n-octanol/water):	No information available
Viscosity:	No information available

10 Stability and Reactivity

Possibility of Hazardous Reactions:

Hazardous polymerisation will not occur.
Contact with metals may generate flammable hydrogen gas.

Chemical Stability: Stable at ambient temperature and under normal conditions of use.**Conditions to Avoid:** Extreme temperatures.**Incompatible Materials:** Strong bases and metals other than stainless steel.**Hazardous Decomposition Products:** Oxides of phosphorus.

11 Toxicological Information

Toxicity:**LD50/LC50 Values Relevant for Classification:****CAS: 7664-38-2 Phosphoric acid**

Oral	LD50	1,530 mg/kg (rat)
Dermal	LD50	2,740 mg/kg (rabbit)
Inhalation	LC50/1 h	>850 mg/m ³ (rat)

Acute Health Effects**Inhalation:** May cause irritation, coughing, choking and shortness of breath.**Skin:** Causes severe skin burns and ulceration.**Eye:** Causes serious eye damage.**Ingestion:** May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.**Skin Corrosion / Irritation:** Causes severe skin burns.**Serious Eye Damage / Irritation:** Causes serious eye damage.**Respiratory or Skin Sensitisation:** Based on classification principles, the classification criteria are not met.**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.**Carcinogenicity:** This product does NOT contain any IARC listed chemicals.**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.**Specific Target Organ Toxicity (STOT) - Single Exposure:**

Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.**Chronic Health Effects:** No information available**Existing Conditions Aggravated by Exposure:** No information available

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Additional toxicological information: No information available

12 Ecological Information

Ecotoxicity:

Low pH of product may be harmful to aquatic life until neutralised or diluted.
Phosphate nutrients may lead to algal growth and eutrophication and oxygen depletion.

Aquatic toxicity:**CAS: 7664-38-2 Phosphoric acid**

EC50	270 mg/l (activated sludge inhibition)
EC50/48 h	>100 mg/l (daphnia)
EC50/72 h	>100 mg/l (scenedesmus subspicatus)
LC50/96 h	138 mg/l (mosquito fish)

Persistence and Degradability: No further relevant information available.**Bioaccumulative Potential:** No further relevant information available.**Mobility in Soil:** No further relevant information available.**Other adverse effects:** No further relevant information available.

13 Disposal Considerations

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

14 Transport Information

UN Number ADG, IMDG, IATA	UN1805
Proper Shipping Name ADG, IMDG, IATA	PHOSPHORIC ACID, SOLUTION
Dangerous Goods Class ADG Class:	8 Corrosive substances.
Packing Group: ADG, IMDG, IATA	III
EMS Number:	F-A,S-B
Hazchem Code:	2R
Special Provisions:	223
Limited Quantities:	5L
Packagings & IBCs - Packing Instruction:	P001, IBC03, LP01
Portable Tanks & Bulk Containers - Instructions:	T4
Portable Tanks & Bulk Containers - Special Provisions:	TP1

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15 Regulatory Information

Australian Inventory of Chemical Substances:

CAS: 7664-38-2 | Phosphoric acid

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:

Poisons Schedule: 6

Australia: Priority Existing Chemicals

None of the ingredients is listed.

16 Other Information

Date of Preparation or Last Revision: 21.07.2020**Prepared by:** MSDS.COM.AU Pty Ltdwww.msds.com.au
Abbreviations and acronyms:

ADG: Australian Dangerous Goods

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Acute Toxicity (Inhalation) 4: Acute toxicity - inhalation – Category 4

Skin Corrosion/Irritation 1B: Skin corrosion/irritation – Category 1B

Serious Eye Damage/Irritation 1: Serious eye damage/eye irritation – Category 1

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - May 2018"

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