

# CYCO pH UP

## CYCO PLATINUM SERIES SAFETY DATA SHEET

CYCOFLOWER.COM

SDS DATE 27/01/2017

### SECTION 01: IDENTIFICATION, PRODUCT & CHEMICAL IDENTIFIER

**PRODUCT NAME:** Cyco Platinum Series pH UP  
**SYNONYMS:** Cyco Platinum Series pH UP 250ml, Cyco Platinum Series pH UP 500ml, Cyco Platinum Series pH UP 1L, Cyco Platinum Series pH UP 5L  
**PRODUCT CODES:** 011  
**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:** POTASSIUM HYDROXIDE  
**CHEMICAL FAMILY:** Alkali  
**CHEMICAL FORMULA:** N/A  
**PRODUCT USE:** Hydroponic Chemical - Adjust pH level in nutrient water  
**PREPARED BY:** SJ ENTERPRISES PTY LTD Material Safety Data Sheet

### SECTION 02: HAZARD(S) IDENTIFICATION

**Physical state:** Liquid.  
**Color:** Colorless.  
**Odor:** Odorless.  
**Hazard status** 14 [Basic.]

#### Emergency overview

Warning! CAUSES EYE AND SKIN BURNS.  
HARMFUL IF SWALLOWED.  
CONTAINS MATERIAL WHICH CAUSES DAMAGE TO THE FOLLOWING ORGANS: LUNGS, RESPIRATORY TRACT, SKIN, EYE, LENS OR CORNEA.  
Do not ingest. Do not get in eyes or on skin or clothing. Avoid breathing vapor or mist. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

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### SECTION 02: HAZARD(S) IDENTIFICATION (CONT)

#### Routes of entry:

Dermal contact. Eye contact. Inhalation. Ingestion.

#### Potential acute health effects

##### Eyes:

Corrosive to eyes.

##### Skin:

Corrosive to the skin.

##### Inhalation:

No known significant effects or critical hazards.

##### Ingestion:

Harmful if swallowed.

#### Potential chronic health effects:

Carcinogenic effects: Not classified or listed by IARC, NTP, OSHA, EU and ACGIH. Mutagenic effects: Not available. Teratogenic effects: Not available.

#### Medical conditions aggravated by over exposure:

Repeated skin exposure can produce local skin destruction or dermatitis. Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to the substance can produce target organ damage.

#### See toxicological information (section II)

### SECTION 03: COMPOSITION & INFORMATION ON INGREDIENTS

Name	CAS Number	% WT
Potassium hydroxide	1310-58-3	0.35% (w/v)
	7732-18-5	65% (w/v)

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### SECTION 04: USE INSTRUCTIONS

**Eye contact:** Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 20 minutes. Get medical attention immediately.

**Skin Contact:** In case of contact, immediately flush skin with plenty of water for at least 20 minutes. Get medical attention immediately.

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

**Ingestion:** Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**Notes to physician:** No specific antidote. Medical staff must contact Poison Control Center.

### SECTION 05: FIRE FIGHTING PROCEDURES

**Flammability of the product:** Non-flammable.

#### Extinguishing Media

**Suitable:** Use an extinguishing agent suitable for the surrounding fire.

**Not suitable:** None known.

**Special exposure hazards:** No specific hazard.

**Special protective equipment for fire-fighters:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

### SECTION 06: ACCIDENTAL RELEASE MEASURES

**Flammability of the product:** Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment.

**Environmental precautions:** Avoid dispersal of spilled material, runoff and contact with soil, waterways, drains and sewers.

**Not suitable:** If emergency personnel are unavailable, contain spilled material. For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid-proof container for disposal. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

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### SECTION 07: HANDLING AND STORAGE

**Eye contact:** Do not ingest. Do not get in eyes or on skin or clothing. Keep container closed. Use only with adequate ventilation. Avoid breathing vapor or mist. Wash thoroughly after handling.

**Storage:** Keep container tightly closed. Keep container in a cool, well-ventilated area.

### SECTION 08: EXPOSURE CONTROLS & PERSONAL PROTECTION

**Product name:** Potassium hydroxide

**Exposure limits:**

**ACGIH TLV (United States, 1/2005).**

CEIL: 2 mg/m<sup>3</sup> Form: All forms.

**NIOSH REL (United States, 12/2001).**

TWA: 2 mg/m<sup>3</sup> 10 hour(s). Form: All forms

**OSHA PEL 1989 (United States, 3/1989).**

CEIL: 2 mg/m<sup>3</sup> Form: All forms.

**Engineering measures:**

No special ventilation requirements. Good general ventilation should be sufficient to control airborne levels. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

**Personal Protection:**

**Eyes:** Face shield.

**Skin:** Synthetic apron. Boots.

**Respiratory:** Vapor respirator.

**Hands:** Nitrile gloves.

**Personal Protection in case of a large spill:**

Safety glasses, goggles or face shield. Impervious gloves. Full suit. Boots. Wear NIOSH-approved self-contained breathing apparatus or equivalent and full protective gear.

**Hygiene measures:**

Wash hands, forearms and face thoroughly after handling compounds and before eating,



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### SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid.
<b>Color:</b>	Colorless.
<b>Odor:</b>	Odorless.
<b>pH:</b>	14 [Basic.]
<b>Boiling/condensation point:</b>	The lowest known value is 100°C (212°F) (Water).
<b>Melting/freezing point:</b>	May start to solidify at 0°C (32°F) based on data for: Water.
<b>Relative density:</b>	Weighted average: 1.03 (Water = 1)
<b>Vapor pressure:</b>	The highest known value is 2.3 kPa (17.5 mm Hg) (at 20°C)
<b>Vapor density:</b>	(Water). The highest known value is 0.62 (Air = 1) (Water).
<b>Evaporation rate:</b>	0.36 (Water) compared with Butyl acetate.
<b>Solubility:</b>	Highly soluble in water.

### SECTION 10: STABILITY AND REACTIVITY

<b>Stability and reactivity</b>	The product is stable.
<b>Incompatibility with various substances</b>	Highly reactive or incompatible with the following materials: moisture. Reactive with oxidizing materials and acids.
<b>Hazardous polymerization</b>	Will not occur.
<b>Conditions of reactivity</b>	None known

### SECTION 11: TOXICOLOGY INFORMATION

Product/ Ingredient name	Toxicity data			
	Test	Result	Route	Species
Potassium hydroxide	LD50	273 mg/kg	Oral	Rat
<b>Acute Effects</b>	Corrosive to eyes.			
<b>Eyes:</b>	Corrosive to the skin.			
<b>Skin:</b>	No known significant effects or critical hazards.			
<b>Inhalation:</b>	Harmful if swallowed.			
<b>Ingestion:</b>	Carcinogenic effects: Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.			
<b>Potential chronic health effects:</b>	Mutagenic effects: Not available.			
	Teratogenic effects: Not available.			
<b>Target organs:</b>	Contains material which causes damage to the following organs: lungs, upper respiratory tract, skin, eye, lens or cornea.			

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### SECTION 12: ECOLOGY INFORMATION

<b>Environmental precautions:</b>	No known significant effects or critical hazards.
<b>Products of degradation:</b>	Some metallic oxides.
<b>Toxicity of the products of biodegradation:</b>	The product itself and its products of degradation are not toxic.

### SECTION 13: DISPOSAL CONSIDERATIONS

<b>Waste disposal:</b>	Dispose of according to all federal, state and local applicable regulations.
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### SECTION 14: TRANSPORT INFORMATION

#### Regulatory information:

<b>UN / IMDG / IATA Classification:</b>	<b>Class</b>	<b>Proper shipping name:</b>
	8	Potassium Hydroxide, solution.
<b>DOT Classification:</b>	8	Potassium Hydroxide, solution.



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### SECTION 15: REGULATORY INFORMATION

#### HCS Classification:

Toxic material  
Corrosive material  
Target organ effects

#### U.S. Federal regulations:

TSCA :All components listed.  
SARA 302/304/311/312 extremely hazardous substances: No products were found. SARA 302/304 emergency planning and notification: No products were found.  
SARA 302/304/311/312 hazardous chemicals: Potassium hydroxide  
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Potassium hydroxide: Immediate (acute) health hazard, Delayed (chronic) health hazard  
Clean Water Act (CWA) 307: No products were found.  
Clean Water Act (CWA) 311: Potassium hydroxide  
Clean Air Act (CAA) 112 accidental release prevention: No products were found.  
Clean Air Act (CAA) 112 regulated flammable substances: No products were found.  
Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

#### State regulations:

Pennsylvania RTK: Potassium hydroxide: (environmental hazard, generic environmental hazard)  
Massachusetts RTK: Potassium hydroxide  
New Jersey: Potassium hydroxide  
California prop. 65: No products were found.

#### International lists:

This product, (and its ingredients) is (are) listed on national inventories, or is (are) exempted from being listed, Australia (AICS), in Europe (EINECS/ELINCS), in Korea (TCCL), in Japan (METI), in the Philippines (RA6969).

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### SECTION 16: ANY OTHER RELEVANT INFORMATION

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PLATINUM SERIES



Pty Ltd

**SJ ENTERPRISES**

PLATINUM SERIES



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