

# Material Safety Data Sheet

Hazardous according to criteria of  
Worksafe Australia

HY-GEN HOLDINGS PTY LTD T/AS  
HYDROPONIC GENERATIONS  
A.C.N. 081 728 065

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## Hy-Gen pH Up

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### Identification

Product Name: Hy-Gen pH Up  
Other Names: Potassium hydroxide 40% w/v  
Product Code: None allocated  
UN Number: 1814  
Dangerous Goods class & Subsidiary Risk: 8  
Packaging Group: 2  
Hazchem Code: 0  
Poisons Schedule Number: None allocated  
Use: General laboratory reagent  
EEC #: Not applicable.

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### Physical Description and Properties

<b>Form:</b> Liquid	<b>Upper flammability limit:</b> Not Relevant
<b>Colour:</b> Colourless	<b>Lower flammability:</b> Not Relevant
<b>Odour:</b> Odourless	<b>Ignition temperature:</b> Not Relevant
<b>Boiling point:</b> Not Relevant	<b>Log P(o/w):</b> Not Relevant
<b>Melting point:</b> Not Relevant	<b>Specific gravity:</b> Not Relevant
<b>Vapour pressure:</b> Not Relevant	<b>Density:</b> Not Relevant
<b>Vapour density:</b> Not Relevant	
<b>Solubility in Water:</b> Miscible in all proportions	

#### **Other information:**

Sensitive to air. Incompatible with: metals, animal/vegetable tissues, various plastics, glass.

#### **Unsuitable working materials:**

No information available.

#### **Conditions and Substances to be avoided:**

Metals, light metals(Formation of hydrogen), ammonium compounds(Formation of ammonia), alkaline earth metals, halogens, halogen-halogen compounds, halogenated hydrocarbons, nonmetallic halides, halogen oxides, organic nitro compounds, phosphorus, nonmetallic oxides, hydrocarbons, anhydrides, strong acids.

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<u>Ingredients</u>	<u>CAS Number</u>	<u>Proportion</u>
Potassium hydroxide	1310-58-3	40%
Water	7732-18-5	60%

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All constituents are listed in the Australian Inventory of Chemical Substances (AICS).

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## Safety data sheet for Hy-Gen pH Up

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### Health Hazard Information

**Toxicological information:**

No data

No evidence of carcinogenic properties.  
No evidence of mutagenic or teragenic effects.

**After eye contact:**

Causes burns. Risk of blindness. Risk of corneal clouding.

**After skin contact:**

Causes caustic burns.

**After ingestion:**

After ingestion burns oesophagus and stomach. Risk of perforation in the oesophagus and stomach. Risk of aspiration upon vomiting.

**Other information:**

No other information available.

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### First Aid Information

**Eye contact:** Irrigate thoroughly with plenty of water for at least 15 minutes with eyelid held wide open. OBTAIN MEDICAL ATTENTION IMMEDIATELY.

**Inhalation:** Remove from exposure, rest and keep warm. In severe cases, or if exposure has been great, OBTAIN MEDICAL ATTENTION.

**Skin contact:** Wash off with plenty of water. Immediately remove contaminated clothing and wash before reuse. Unless contact has been slight, OBTAIN MEDICAL ATTENTION.

**Ingestion:** Wash out mouth thoroughly with water and give plenty of water to drink. OBTAIN MEDICAL ATTENTION

**Advice to doctors:** Treat symptomatically.

**First aid facilities:** Safety shower. Eyewash facilities.

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### Worksafe Information

**Foreign Exposure limits:** OES, Short-term, mg/m<sup>3</sup>: 2 – Potassium hydroxide.

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### **Precautions for Use**

**Engineering controls:** As appropriate to quantity handled. Not applicable.

#### **Personal protection**

**Gloves:** Rubber or plastic.  
Other protective equipment: Suitable protective clothing.

**Eye protection:** Goggles or face-shield.

**Special risks:** Use fire-fighting agent appropriate for materials burning in the area.

**Suitable extinguishing media:** Not applicable to this product. Use extinguisher relative to combustible materials on fire.

**Other precautions:** Use plastic apron, sleeves, boots – if handling large quantities

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### **Safe Handling Information**

**UN Number:** 1814

**Dangerous Goods class and Subsidiary Risk:** 8

**Packaging Group:** II

**Risk:** R: 35  
Causes severe burns

**Storage:**

Store at room temperature (recommendation: +15 to +25°C) in a well-ventilated room. Keep well closed and protected from direct sunlight and moisture.

**Spillage and disposal:**

Wear appropriate protective clothing.

If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise transfer to container and arrange removal by disposal company. Wash site of spillage thoroughly with detergent and water.

For large spillages liquids should be contained with sand or earth and both liquids and solids transferred to salvage containers. Any residues should be treated as for small spillages.

Do not allow entering drinking water supplies, wastewater, or soil. Caustic even in diluted form. Harmful effect due to pH shift.

Chemical residues are generally classified as special waste, and as such are covered by regulations, which vary according to location. Contact your waste disposal authority for advice, or pass to a chemical disposal company. Rinse out empty container thoroughly before returning for recycling.

**Fire and explosion:**

Use firefighting agent appropriate for materials burning in the area.

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**Other Information**

\*EC Hazard symbols: C

**Risk codes:** R: 35  
Causes severe burns.

**Safety Codes:**  
S:26  
In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre. Wear suitable protective clothing, gloves, and eye/face protection. In case of accident or if you feel unwell, contact a doctor or Poisons Information Centre immediately (show the label where possible).

\*Key  
C = Corrosive

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**Contact point**

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**Manufacture's Advice**

This Material Safety Data Sheet (MSDS) summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace.

Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace. The use should be considered also in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

This company will not take responsibility for any deliberate miss-use of the product or negligence related to this literature.