

Conditioner for Soil & Water pH Test Kit  
 First of 2 components of Flairform Soil & Water pH Test Kit

### 1. Identification of the Product and Supplier:

**Product name:** Conditioner for Soil & Water pH Test Kit. Packaged in 30ml dropper (flow restrictive nipple) bottle design and volume minimizes health and accidental spillage risks etc:  
**Use:** Used in conjunction with Flairform pH Test Kit for determining pH of water and soil  
**Company:** Flairform Products  
**Address:** 3 Parkinson Lane, Kardinya, Western Australia 6163.  
**Telephone Number:** (+61) 8 9314 7595  
**Fax Number:** (+61) 8 9314 7595  
**Emergency Telephone Numbers:** (+61) 8 93121447; 0409 084 871(mobile)

### 2. Hazards identification

**Non dangerous good**

**Classified as hazardous according to criteria of NOHSC Australia**  
**Categories:** Xi Irritant  
**Risk phrases:** R36 Irritating to eyes  
**Safety Phrases:** S24/25 Avoid contact with skin and eyes

### 3. Composition/information on ingredients

Common Name	CAS	Conc % W/V
Calcium dichloride	10043-52-4	50%
Inert ingredients & water	7732-18-5	to 100%

### 4. First-aid measures

30ml dropper (flow restrictive nipple) packaging design & size minimizes health risk:  
**Swallowed:** Accidental swallowing unlikely to occur. Rinse mouth thoroughly with water. Do not induce vomiting. If victim can swallow give large quantities of water to dilute material in stomach.  
**Eye:** If this product comes in contact with eyes, hold open and wash with running potable water for at least 15 minutes. Ensure irrigation under eyelids by occasionally lifting them. Do not try to remove contact lenses unless trained. Seek medical attention.  
**Skin:** Wash effected area with flowing water. If irritation persists seek medical attention.  
**Inhaled:** Not applicable with normal use.

### 5. Fire fighting measures

**Specific hazards:** Non combustible material.  
**Suitable Extinguishing Media:** Not applicable.  
**Hazards from combustion products:** Non combustible. However residues may decompose on heating, after water evaporation, releasing toxic and corrosive fumes of hydrogen chloride.

### 6. Accidental release measures

**Spills and Disposal:** Mop up with damp sponge. Wash the spillage area with water.

### 7. Handling and storage

Always store in original, capped, container with nipple as supplied - to minimize leakage & contamination. To preserve integrity of product, store in a cool, dark place.

### 8. Exposure controls and personal protection

**Exposure standards:** No exposure standard has been established for this product by the Australian Safety and Compensation council (ASCC)  
**Biological limit value:** No information available on biological limits for this product.  
**Personal protection Equipment:**  
 Not a hazard in normal use. No personal protective equipment required.

### 9. Physical and chemical properties

**Appearance:** Colourless water based liquid  
**Odour:** Odourless  
**Boiling Point:** 116 °C.  
**Freezing point:** -7 °C.  
**Vapour Pressure:** 15 mmHg @ 20°C  
**Specific Gravity:** 1.3  
**Flashpoint:** Not flammable  
**Flammability Limits:** Not flammable  
**Solubility in Water:** Soluble in all proportions  
**pH:** 7 (neutral)  
**Corrosiveness:** Corrodes aluminium, zinc, tin (long-term exposure). Reacts with strong acids with evolution of chlorine.

# Flairform

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## SAFETY DATA SHEET

Issue 1

Issue date: First issue. 02 March 2016

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### 10. Stability and reactivity

**Chemical Stability:** Stable under normal conditions of use, storage and temperature. (No chemical reaction with products present in Flairform pH Test Kit.)

**Hazardous Decomposition products:** If liquid completely dries from heat, thermal decomposition may include corrosive fumes of chlorine and hydrogen chloride.

**Incompatible Materials:** Do not mix with strong acids as this could give rise to dangerous fumes (chlorine). Store away from heat (below 25°C) and direct sunlight. Store only in original container.

### 11. Toxicological information

#### Health effects

##### Acute:

**Ingestion:** Swallowing may irritate the gastrointestinal tract causing nausea, vomiting and diarrhoea

**Eye:** Irritating to eyes. May cause tearing, stinging, blurred vision and redness.

**Skin:** May cause irritation including redness.

**Inhalation:** Not applicable

**Chronic:** No information available

**Toxicological data.** Calcium chloride anhydrous Oral LD50 (rat) 1000 mg/ kg

### 12. Ecological information

No information available.

### 13. Disposal considerations

Observe local legislation.

### 14. Transport information

Classified as Non Dangerous Good by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail

**Proper shipping name:** Calcium Chloride solution

Not subject to ADR/IATA/IMDG codes.

### 15. Regulatory information

**Poisons schedule:** No Poisons Schedule number allocated

**Packaging:** No special packaging or labelling requirements.

### 16. Other information

#### Contact Points

Bob Taylor

Flairform Products: 3 Parkinson Lane, Kardinya, Western Australia, 6163. Mobile 0409 084 871

### DISCLAIMER

This 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 SDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification of further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. All information is as accurate and up to date as possible.

Flairform pH Test Kit  
 Second of 2 components of Flairform  
 Soil & Water pH Test Kit

<p><b>1. IDENTIFICATION OF THE PRODUCT AND SUPPLIER</b></p> <p><b>Product name:</b> pH Test Kit. Packaged in 30ml dropper with nipple that restricts flow. Bottle design and volume minimizes health and other risks.  <b>Use:</b> For determining pH of soil and water  <b>Company:</b> Flairform Products  <b>Address:</b> 3 Parkinson Lane, Kardinya, Western Australia 6163.  <b>Telephone Number:</b> (+61) 8 9314 7595  <b>Fax Number:</b> (+61) 8 9314 7595  <b>Emergency Telephone Numbers:</b> (+61) 8 93121447; 0409 084 871(mobile)</p>												
<p><b>2. Hazards identification</b></p> <p><b>Non dangerous good</b></p> <p><b>Classified as hazardous according to NHOSC criteria</b></p> <p><b>Safety phrases:</b>        S2 - Keep out of reach of children.</p> <p><b>Risk phrases:</b>        Toxicological properties not fully investigated. May be harmful if swallowed.</p> <p><b>Chronic:</b>        Allergic reactions have occurred with similar compounds.</p>												
<p><b>3. Composition/information on ingredients</b>        A liquid pH indicator containing:</p> <table border="1" data-bbox="301 1055 1254 1171"> <thead> <tr> <th>Chemical Name</th> <th>CAS</th> <th>Conc W/V</th> </tr> </thead> <tbody> <tr> <td>Ethanol</td> <td>64-17-5</td> <td>40%</td> </tr> <tr> <td>Water</td> <td>7732-18-5</td> <td>to 100%</td> </tr> <tr> <td>Other ingredients deemed not to be hazardous</td> <td>Not disclosed</td> <td>0.2% W/V</td> </tr> </tbody> </table>	Chemical Name	CAS	Conc W/V	Ethanol	64-17-5	40%	Water	7732-18-5	to 100%	Other ingredients deemed not to be hazardous	Not disclosed	0.2% W/V
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Other ingredients deemed not to be hazardous	Not disclosed	0.2% W/V										
<p><b>4. First-aid measures</b></p> <p>30ml dropper (flow restrictive nipple) packaging volume &amp; design minimizes risk of accidental health risks. For advice contact a Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).</p> <p><b>Swallowed:</b> May cause gastrointestinal irritation with nausea, vomiting and diarrhoea. Rinse mouth thoroughly with water. Do not induce vomiting. If victim can swallow give large quantities of water to dilute material in stomach. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Repeat administration of water. Obtain medical attention immediately.</p> <p><b>Eye:</b> If this product comes in contact with eyes, hold open and wash with running potable water for at least 15 minutes. Ensure irrigation under eyelids by occasionally lifting them. Do not try to remove contact lenses unless trained. Seek medical attention.</p> <p><b>Skin:</b> If this product comes in contact with skin, wash skin with soap and water. Remove contaminated clothing and footwear &amp; wash before reuse.</p> <p><b>Inhaled:</b> Not applicable with normal use.</p> <p><b>Advice to doctor:</b> Treat symptomatically.</p>												
<p><b>5. Fire fighting measures</b></p> <p>30ml dropper (flow restrictive nipple) packaging design &amp; volume minimizes risk and consequence of fire.</p> <p><b>Fire / Explosion:</b> The content of this product is flammable. Product not flammable under conditions of use.</p> <p><b>Flammability:</b> Flammable.</p> <p><b>Extinguishing Media:</b> Flood with water to dilute ethanol &amp; render non flammable, CO2, foam, or dry chemical powder.</p>												
<p><b>6. Accidental release measures</b></p> <p>30ml dropper (flow restrictive nipple) packaging design &amp; volume minimizes risk &amp; consequence of spills.</p> <p><b>Spills:</b> Remove sources of ignition. Mop up with inert dry material. Avoid contact with spilled material.</p> <p><b>Disposal.</b> Place material containing spill in appropriate waste container.</p>												
<p><b>7. Handling and storage</b></p> <p>Always store in original, capped container with nipple in place - as purchased. Avoid contact with skin, eyes and clothing. To preserve integrity of product, store in a cool, dark place away from ignition sources.</p>												
<p><b>8. Exposure controls/personal protection</b></p> <p>30ml dropper (flow restrictive nipple) packaging design &amp; volume minimizes risk &amp; consequence of accidental misuse.</p> <p><b>Respiratory protection:</b> Not a hazard in normal use. No special precautions required.</p> <p><b>Hand:</b> Not a hazard in normal use. No special precautions required.</p> <p><b>Eyes:</b> Not a hazard in normal use. No special precautions required.</p> <p><b>Clothing:</b> No special precautions required.</p>												

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<p><b>9. Physical and chemical properties</b></p> <p><b>Appearance:</b> Brown liquid with alcohol odour.  <b>Melting Point:</b> -23°C  <b>Boiling Point:</b> &lt; 100°C  <b>Vapour Pressure:</b> unknown  <b>Specific Gravity:</b> 0.9  <b>Flashpoint:</b> 26°C  <b>Flammability Limits:</b> unknown  <b>Solubility in Water:</b> Soluble in all proportions  <b>pH:</b> Neutral  <b>Corrosiveness:</b> non corrosive</p>
<p><b>10. Stability and reactivity</b></p> <p><b>Chemical Stability:</b> Stable under normal conditions of use. Does not react chemically or otherwise with Flairform “Conditioner” product supplied together with this product in Flairform Soil and Water pH Test Kit.  <b>Conditions to Avoid:</b> Avoid heat, sparks, open flames and other ignition sources.  <b>Incompatible Materials:</b> Strong oxidising agents.  <b>Hazardous Decomposition Products:</b> Burning produces carbon monoxide and carbon dioxide.</p>
<p><b>11. Toxicological information</b></p> <p><b>Estimated values:</b> Oral LD50 RAT: &gt;5,000 mg/kg, Dermal LD50 RABBIT: &gt;2,000 mg/kg  <b>Carcinogenicity:</b> Solutes may be carcinogenic.  <b>Epidemiology:</b> No data available.  <b>Impact on Human fertility:</b> No data available.  <b>Neurotoxicity:</b> No data available.  <b>Impact on genetic mutation:</b> No data available.</p>
<p><b>12. Ecological information</b></p> <p>No ecotoxicity information available. Small 30ml package volume and design achieves minimal potential eco risk.</p>
<p><b>13. Disposal considerations</b></p> <p>Observe local legislation.</p>
<p><b>14. Transport information</b></p> <p>Classified as Non Dangerous Good by the criteria of the Australian Dangerous Goods Code (ADG Code 7.3) for Transport by Road and Rail. The small 30g volume and packaging design of this product exempts it from the provisions of Australian Code for Transport of Dangerous Goods, Code 7.3 for safe transport by air – under regulation 1.1.6, 1.1.7 or 1.1.8</p> <p>Not subject to ADR/IATA/IMDG codes.</p>
<p><b>15. Regulatory information</b></p> <p><b>Poisons schedule:</b> No Poisons Schedule number allocated  <b>Packaging:</b> No special packaging or labeling requirements.</p>
<p><b>16. Other information</b></p> <p><b>Contact Points</b>          Bob Taylor          Flairform Products: 3 Parkinson Lane, Kardinya, Western Australia, 6163          Mobile 0409 084 871 email: sales@flairform.com</p>

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