

AUSTRALIAN CHEMICAL REAGENTS  
**SAFETY DATA SHEET**

Date Prepared: March 2018  
Version No: 5

---

**1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

---

Product Name: Acetic Acid 70% v/v  
Product Code: 4620  
Other Names: Nil  
Uses: Analytical Reagent  
Supplier: Australian Chemical Reagents  
38-50 Bedford Street Gillman SA 5013  
Contacts: Telephone: 61 08 84402000  
Fax: 61 08 84402001  
Emergency Phone: 61 08 84402000 Mon – Fri 8:30am – 5:00pm

---

**2. HAZARDS INFORMATION**

---

**GHS Classification** Skin Corrosion/Irritation: Category 1B  
Serious Eye Damage/Irritation: Category 1B

**Signal Word(s)** DANGER  
**Pictogram(s)**



**Hazard Statement (s)** H314 Causes severe skin burns and eye damage.

**Precautionary Statement(s)  
Preventative** P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P264 Wash thoroughly after handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Response** 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.  
P363 Wash contaminated clothing before reuse.  
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P310 Immediately call a POISON CENTER or doctor/physician.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Storage** P405 Store locked up.

**Disposal** P501 Dispose of contents/container to an approved waste disposal plant.

---

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

---

#### **Ingredients :**

<b>Chemical Entity</b>	<b>CAS No</b>	<b>Proportion</b>
Acetic acid	[67 - 19 - 7]	70%
Water	[7732-18-5]	to 100%

---

### 4. FIRST AID MEASURES

---

Safety showers and eye wash facilities should be provided.

#### **Swallowed :**

If conscious wash out mouth with water. Seek medical advice. Show this SDS to medical practitioner.

#### **Eye :**

Immediately hold eyelids open and flood with water for at least 15 minutes. Obtain medical aid. Show this SDS to medical practitioner.

#### **Skin :**

Remove contaminated clothing. Immediately wash skin thoroughly with water and mild soap. Seek medical advice if irritation persists. Show this SDS to medical practitioner. Launder clothing before reuse.

#### **Inhaled :**

Remove from contaminated air. Maintain breathing with artificial respiration if necessary. Seek medical assistance. Show this SDS to a doctor.

---

### 5. FIRE FIGHTING MEASURES

---

#### **Suitable Extinguishing Media:**

Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

#### **Hazards From Combustion Products:**

Solution will not burn or support combustion.

#### **Precautions For Fire Fighters and Special Protective Equipment:**

Fire fighters and others who may be exposed to combustion products during fire should wear full protective clothing including positive pressure self-contained breathing apparatus (SCBA). Wear SCBA with full face-piece, operated in positive pressure mode when fighting fires.

**Hazchem Code:** 2R

---

### 6. ACCIDENTAL RELEASE MEASURES

---

#### **Emergency procedures:**

Prevent from entering waterways. Restrict access to area. Ventilate area.

#### **Methods and materials for containment and clean up:**

Wear appropriate personal protective equipment. Use inert material such as sand or earth to contain spill or leak. Absorb spills with chemical absorber or vermiculite and dispose of in accordance with local regulations.

---

### 7. HANDLING AND STORAGE

---

#### **Precautions for Safe Handling:**

Do not get in eyes, on skin, on clothing. Avoid prolonged or repeated exposure.

#### **Conditions for Safe Storage:**

Store sealed in original container in a cool well ventilated situation away from foods and other chemicals. Do not store in direct sunlight. Observe good hygiene and housekeeping practices.

---

---

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

---

### National Exposure Standards:

Safe Work Australia – Acetic acid 25mg/m<sup>3</sup> (TWA) 37mg/m<sup>3</sup> (STEL)

**Biological Limit Values:** No data available.

### Engineering Controls:

Preferably use in chemical fume hood or with adequate general ventilation.

### Personal Protective Equipment (PPE):

The use of nitrile or neoprene gloves complying with AS 2161 and the use of faceshield, chemical goggles or safety glasses with side shield protection complying with AS/NZS 1337 is recommended.

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

---

<b>Appearance :</b>	Clear liquid
<b>Odour:</b>	Pungent, vinegar like
<b>pH:</b>	Not available
<b>Boiling Point (°C) :</b>	100
<b>Freezing/melting Point:</b>	Not applicable
<b>Vapour Pressure (mm of Hg @ 25°C) :</b>	Not applicable
<b>Vapour Density:</b>	Not applicable
<b>Specific Gravity :</b>	1.2
<b>Flash Point (°C) :</b>	Not flammable
<b>Flammability Limits (%) :</b>	Not flammable
<b>Solubility in Water (g/L) :</b>	Soluble

---

## 10. STABILITY AND REACTIVITY

---

### Chemical stability:

Stable.

### Conditions to avoid:

Excessive heat.

### Incompatible materials:

Nil

### Hazardous decomposition products:

Refer to section 5 (Fire Fighting Measures).

### Hazardous reactions:

Hazardous polymerization will not occur.

---

## 11. TOXICOLOGICAL INFORMATION

---

### Health Effects:

**Swallowed :** Corrosive to tissue. For acetic acid, LD50 oral rat 3530mg/kg.

**Eye :** Corrosive to eye tissue. For acetic acid a 100mg rinse produced mild irritation in rabbit eyes.

**Skin :** Corrosive to skin tissue. 50mg of acetic acid produced mild irritation after 24 hours..

**Inhaled :** Irritating to tissue of respiratory tract. May cause spasm, inflammation and oedema of the larynx and bronchi , chemical pneumonitis and pulmonary oedema. May result in coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting. For acetic acid LCLO (rat) 16000ppm/4 hrs.

**Chronic Effects:** No data available

---

## 12. ECOLOGICAL INFORMATION

---

### Ecotoxicity:

No data available.

### Persistence and degradability:

No data available.

### Mobility:

No data available.

---

---

### 13. DISPOSAL CONSIDERATIONS

---

Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state and local environmental regulations.

---

### 14. TRANSPORT INFORMATION

---

**UN Number:** 2790

**UN Proper Shipping Name:** ACETIC ACID SOLUTION (10 to 80%)

**Class and subsidiary risk(s):** 8

**Packing Group:** III

**Hazchem Code:** 2R

**Special precautions for user :** Nil

---

### 15. REGULATORY INFORMATION

---

**Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP):**

S5

---

### 16. OTHER INFORMATION

---

**Disclaimer:**

All information given by the Company is offered in good faith and is believed to the best of our knowledge to be accurate. However this information is offered without warranty representation inducement or licence and the Company does not assume legal responsibility for reliance upon the same.

Every person dealing with the materials referred to herein does so at his or her own risk absolutely and must make independent determinations of suitability and completeness of information from all sources to ensure their proper use.

End of SDS