

# Safety Data Sheet



## 1. IDENTIFICATION/ PREPARATION AND COMPANY DETAILS

**GHS Product identifier:** Desolver  
**Company Name:** HY.GIENE Australia Pty. Ltd.  
**Address:** Unit 3, 41 Gatwick Road, BAYSWATER, VIC 3153  
**Telephone:** (03) 9729 3946  
**Recommended Use:** General Purpose acid descaler  
**Other Names:**  
**Emergency contact:** 1800 616 930

## 2. HAZARDS IDENTIFICATION

Not classified as Dangerous Goods for the purpose of transport by road or rail. Refer to relevant regulations for storage and transport requirements.

Classified as Hazardous according to the criteria of Safe Work Australia; HAZARDOUS SUBSTANCE  
**Hazard Category:**

### GHS classification:

Skin corrosion/irritation, Category 1B, **H314**  
Serious eye damage/Eye irritation, Category 1, **H318**



Signal word:

**Danger**

### Hazard statements:

**H314:** Causes severe skin burns and eye damage.

### Precautionary statements:

**P101:** If medical advice is needed, have product container or label at hand.  
**P280:** Wear protective gloves/protective clothing/eye protection/face protection.  
**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 or doctor

### Risk Phrases:

**R34:** Causes burns  
**R41:** Risk of serious damage to eyes.

### Safety Phrases:

**S24/25:** Avoid contact with skin and eyes  
**S26:** In case of contact with eyes, rinse immediately with plenty of water

**S36/37/39:****S45:**

and seek medical advice.

Wear suitable protective clothing, gloves and eye/face protection.

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

**Poisons Schedule:**

S6

This material is a Scheduled Poison S6 and must be stored, maintained and used in accordance with the relevant regulations.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Phosphoric Acid	7664-38-2	< 30-60%	R34, R41
Proprietary blend of surfactants		5 – 10	
Sulphuric Acid	7664-93-9	< 1%	R35, R41

### 4. FIRST AID MEASURES

Poison Information Centres in each state Capital city can provide additional assistance for scheduled poisons, (Phone Australia 131 126; New Zealand 0800 764 766)

**Ingestion:**

If swallowed, do NOT induce vomiting. Immediately rinse mouth with water and seek immediate medical attention via Poisons Information centre or a doctor.

**Skin Contact:**

If skin or hair contact occurs, immediately remove contaminated clothing using gloves. Flush skin and hair thoroughly under running water, lukewarm if necessary, for at least 40 minutes. If swelling, redness, blistering or irritation occurs seek immediate assistance.

**Eye Contact:**

If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Urgently seek medical assistance.

**Inhalation:**

Remove victim from exposure – avoid becoming a casualty. Remove contaminated clothing. Allow patient to assume comfortable position and keep warm. Keep at rest until fully recovered. If breathing is labored and patient cyanotic (blue), ensure airways are clear and have qualified person give oxygen through a face mask. If breathing has stopped apply artificial respiration at once. Seek immediate medical assistance.

**Notes to physician:**

Treat symptomatically and as for exposure to acids. Can cause corneal burns

### 5. FIRE-FIGHTING MEASURES

**Specific Hazards:**

Non-combustible material. However, if material is involved in a fire use: fine water spray, normal foam, dry agent – carbon dioxide, dry chemical powder.

**Fire fighting advice:**

Not combustible. Decomposes on heating, emitting toxic fumes, including those of oxides of sulphur. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition

## 6. ACCIDENTAL RELEASE MEASURES

Clear area of all unprotected personnel. Increase ventilation. Wear full protective equipment, including nitrile or natural rubber soled footwear. Work up wind. For large spills notify Emergency Services.

**Small spills:** Stop leak if safe to do so, and contain spill. Absorb spill onto sand or other inert material. If spill too large to absorb easily create a dike to contain spill. Sweep up absorbent and collect in properly labeled containers for disposal. Wash area down with large amounts of water or neutralise with a lime or soda ash and then rinse down with excess water.

**Large spills:** Contain using sand or soil – prevent runoff into drains and waterways. Spillage should be run off at a controlled rate for dilution and disposal as above.

In all cases carefully neutralise with lime or soda ash. All water should be added by hose from a safe distance as reaction is exothermic. Wash neutralised solution to drain with excess of water. If contamination of waterways has occurred, advise emergency services.

## 7. HANDLING AND STORAGE

**Handling advice:** Avoid skin and eye contact and breathing in vapor. Do not store in metal containers.

**Storage advice:** Store in a cool, well ventilated place and out of direct sunlight. Store away from acids, oxidising agents, foodstuffs. Keep containers closed when not in use – check regularly for leaks.

This material is a Scheduled Poison S6 and must be stored, maintained and used in accordance with the relevant regulations.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Occupational Exposure Limits:** No value assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC). However, Exposure Standard(s) for constituent(s):

Sulphuric Acid: 8hrTWA = 1.0mg/m<sup>3</sup> STEL (15min) = 3mg/m<sup>3</sup>

Phosphoric Acid: 8hrTWA = 1.0mg/m<sup>3</sup> STEL (15min) = 3mg/m<sup>3</sup>

As published by Safe Work Australia Workplace Exposure Standards for Airborne Contaminants.

TWA - is the time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life. According to current knowledge this concentration should neither impair the health nor cause undue discomfort to, nearly all workers.

These Workplace Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These workplace exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

**Engineering Control Measures:** Corrosive liquid. Ensure ventilation is adequate and that air concentrations of components are controlled below quoted Exposure Standards. Use with local exhaust ventilation or while wearing respirator. Keep containers closed when not in use.

**Personal protection equipment:** OVERALLS, SAFETY SHOES, SAFETY GOGGLES, GLOVES.

Wear overalls, chemical goggles and impervious gloves Use with adequate ventilation. If inhalation risk exists wear a respirator fitted with acid / gas filters meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or reusing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Clear, thin liquid.
<b>Odour:</b>	mild sour odour, avoid breathing vapor.
<b>Solubility:</b>	Soluble in water
<b>Specific Gravity:</b>	1.18 @ 20°C
<b>Boiling Point/Range (°C):</b>	99 - 100
<b>pH:</b>	1.5 - 2.0 (1:100)
<b>Volatiles:</b>	Water component

## 10. STABILITY AND REACTIVITY

Stable under normal conditions of storage and use. No reactivity information available.

**Conditions to Avoid:** Strong alkalis and most metals.

**Hazardous Reactions:** Reacts with alkalis. They can also react with some metals liberating oxides of sulphur and phosphorous. These reactions may be rapid and sometimes liberate much heat.

**Hazardous Polymerisation:** Will not occur

## 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

**Ingestion:** Swallowing can result in nausea, vomiting of blood and gastrointestinal irritation

**Eye contact:** A severe eye irritant. Contamination of eyes can result in permanent injury. Contact can cause corneal burns.

**Skin contact:** Contact with skin will result in irritation.

**Inhalation:** Breathing in mists or aerosols may produce respiratory irritation.

**Long term effects:** No information available for this product.

**Toxicological Data:** No LD50 data available for the product.

## 12. ECOTOXICOLOGICAL INFORMATION

Avoid contaminating waterways.

Salts, acids and bases are typically diluted and neutralised when released to the environment in small quantities. However, until diluted or neutralised it will kill all aquatic organisms it contacts due to extreme pH.

## 13. DISPOSAL CONSIDERATIONS

Refer to State Land Waste Management Authority. After dilution or careful neutralisation with weak lime or soda ash in an approved liquid waste land fill site should be suitable. Decontamination or destruction of containers should be considered.

**14. TRANSPORT INFORMATION****Road and Rail Transport:**

U.N. No : 1805  
EPG : 8A1  
D.G. Class : 8  
Poisons Sch. : 5  
Hazchem : 2R  
Packaging Group : 3

**Marine Transport:**

U.N. No : 1805  
EPG : 8A1  
D.G. Class : 8  
Poisons Sch. : 5  
Hazchem : 2R  
Packaging Group : 3

**Air Transport:**

U.N. No : 1805  
EPG : 8A1  
D.G. Class : 8  
Poisons Sch. : 5  
Hazchem : 2R  
Packaging Group : 3

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air

**15. REGULATORY INFORMATION**

**Poisons Schedule:** S6 Poison

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

**16. OTHER INFORMATION**

**Date of preparation or last revision of SDS - 1/03/2020** Reason for issue: Format change

This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions. If you are an employer it is your duty to tell your employees, and any others that may be affected, of any hazards described in this sheet and of any precautions that should be taken. Safety Data Sheets are updated frequently. Please ensure you have a current copy