



SAFETY DATA SHEET-MSDS

LIQUID SOUR Page 1 of 3

Issue Date January 2015

SECTION 1

IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name

Synonym N/A

Use: Liquid sour is used in the last rinse to control pH of alkalinity in commercial laundering. We recommend its use via automatic dispensing units. Use rate is approx. 1 mil per kilo dry weight of linen.

PEEGA CHEMICALS PTY LTD, 46 Torbreck Ave. SOUTH MORANG Vic 3752

Tel: (03) 9457 6444 Fax: (03) 9404-5897

CONTACT POINTS

Managing Director

Tel: (03) 9457-6444

H Nicholas Mobile 0412 104 680

IN CASE OF POISONING

POISONS INFORMATION CENTRE

IN AUSTRALIA CALL TEL: 13 11 26

SECTION 2

HAZARDS IDENTIFICATION

HAZARDOUS ACCORDING TO ASCC/NOHSC/EU CRITERIA

Hazard Category: Corrosive (C)

Hazard Classification: HAZARDOUS SUBSTANCE, DANGEROUS GOODS
RISK PHRASES

R34 Causes burns.

SAFETY PHRASES

S26 In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre.

S45 In case of accident or if you feel unwell, contact a doctor or Poisons Information Centre immediately and show this container or label.

Road Transport (ADR/RID)

UN Number: 1805

Proper Shipping Name: PHOSPHORIC ACID

Dangerous Goods Class: 8

Packing Group: III

Emergency information(Transport):

Dangerous Goods - Initial Emergency Response Guide (SAA/SNZ HB76:2010)

For **TOXIC AND/OR CORROSIVE SUBSTANCES** (Non-Combustible), Guide No: 37

Poison Schedule: S5 [Aust]

This material is a Scheduled **S5** Poison and must be stored, handled and used according to the appropriate regulations.

Warning Statement:

Corrosive to eyes, skin and if swallowed.

SECTION 3

COMPOSITION/ INFORMATION ON INGREDIENTS

SUBSTANCE NAME	Proportion	CAS Number
PHOSPHORIC ACID	30 to < 60 %	7664-38-2
WATER AND OTHER NON-HAZARDOUS SUBSTANCES	Balance Mixture	

All other ingredients not hazardous according to NOHSC/EU Criteria.

SECTION 4

FIRST AID MEASURES

Swallowed:

If swallowed, **DO NOT** induce vomiting. If victim conscious, give 1 to 2 glasses of water to drink. Seek urgent medical assistance.

Eye:

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.

Skin:

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue to flush with water until advised to stop by the Poisons Information Centre or a doctor.

Inhaled:

Move victim to fresh air. Apply resuscitation if victim is not breathing.

First Aid Facilities:

Eye wash fountain, safety shower and normal wash room facilities.

Advice to Doctor:

Treat symptomatically.

For advice, contact Poisons Information Centre (AT ONCE)

In Australia call Tel: 13 1126

In New Zealand Tel: 034747000

SECTION 5

FIREFIGHTING MEASURES

Fire/Explosion Hazard

SUITABLE EXTINGUISHING MEDIA: Water fog, foam, dry chemical or carbon dioxide.

HAZARDS FROM COMBUSTION PRODUCTS: On combustion or on thermal decomposition (pyrolysis), there will be a release of phosphorus entities and noxious smoke.

PRECAUTIONS FOR FIRE FIGHTERS AND SPECIAL PROTECTIVE

EQUIPMENT: Self-contained breathing apparatus (SCBA) required for fire-fighting personnel. If possible to do so safely, shut off fuel to fire.

HAZCHEM CODE: 2R [Aust]

FLAMMABILITY

This product is not flammable or combustible. If the product comes into contact with non-ferrous metals such as aluminium, zinc and especially magnesium or their alloys, then flammable and potentially explosive hydrogen gas will be generated.

SECTION 6

ACCIDENTAL RELEASE MEASURES

Emergency Procedures:

Corrosive Liquid. Keep away from aluminium, zinc, magnesium and alloys, store away from alkalis (caustics). Keep unnecessary people away; Isolate hazard area and deny entry. Ventilate area. Wear suitable protective equipment as outlined under personal protection in this MSDS.

Methods and Materials for Containment and Clean Up Procedures:

Throw diatomaceous earth onto spill. **DO NOT** use sawdust. **ALLOW TO ABSORB.** Use non-sparking tools or HEPA vacuum system to pick up. Place into labeled drum(s) for later disposal. If risk of fire, blanket the spill with foam or use water fog to disperse vapour clouds. Consult an expert regarding disposal of this product.

Emergency information(Transport):

Dangerous Goods - Initial Emergency Response Guide (SAA/SNZ HB76:2010)

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Additional Information:

The CAUTIOUS ADDITION of 10 % sodium carbonate solution can be used to neutralize any remaining acid at the spill site, when effervescence (bubbling) stops, it is an indicator that the product has been neutralized. This remaining liquid can then be flushed to drains with 5 times its volume of water.

SECTION 7

HANDLING AND STORAGE

Precautions for Safe Handling:

Corrosive liquid, acidic. Do not get on skin or eyes. Provide adequate ventilation.



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Conditions for Safe Storage:

Keep containers closed, when not using the product. Store in original packages as approved by manufacturer. Store in an area that is dry and well-ventilation. Store away from strong alkalis (caustics) and non-ferrous metals. For further information please refer to the Section 10 (Stability and Reactivity) of this MSDS.

SECTION 8 EXPOSURE CONTROLS/ PERSONAL PROTECTION

Exposure Standards

No exposure standards are available for this product, however, the following exposure standards have been assigned by [NOHSC] to the following components of the product:

PHOSPHORIC ACID

[NOHSC]

[TWA] 1 mg/m³

[STEL] 3 mg/m³

References: H

Engineering Controls

Corrosive liquid. Single significant exposure may cause severe injury or even death. Maintain adequate ventilation at all times.

Personal Protection Equipment

GLOVES: The use of neoprene or nitrile is recommended.

EYES: Chemical goggles or spectacles with side shields to protect eyes.

RESPIRATORY PROTECTION: The use of respirator is not required.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Yellow coloured liquid with no odour.

Boiling Point: 104°C

Vapour Pressure: Not available.

Specific Gravity: 1.25

Flash Point: Not applicable, product will not flash.

Flammability Limits: Not applicable.

Solubility in Water: Miscible in all proportions.

Other Properties

pH (1 % Solution): 1.5 - 2.5

SECTION 10 STABILITY AND REACTIVITY

CHEMICAL STABILITY:

Stable under normal conditions of use.

CONDITIONS TO AVOID:

Mixing with incompatibles.

INCOMPATIBLE MATERIALS:

Alkali hydroxides (caustic soda, caustic potash). If the product comes into contact with non-ferrous metals such as aluminium, zinc and especially magnesium or their alloys, then flammable and potentially explosive hydrogen gas will be generated.

HAZARDOUS DECOMPOSITION PRODUCTS:

On combustion or on thermal decomposition (pyrolysis), there will be a release of phosphorus entities and noxious smoke.

HAZARDOUS REACTIONS:

Will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

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

ACUTE HEALTH EFFECTS:

Swallowed:

Will cause burns to the mouth, mucous membranes, throat, oesophagus and stomach.

Eye:

Will cause burns to the eyes with effects including: Pain, tearing, severe pain. Corneal damage is a possibility.

Skin:

Will cause burns to the skin, with effects including; Redness, pain and blistering.

Inhaled:

Mists or vapours may cause severe irritation.

Chronic:

Prolonged or repeated skin contact will lead to necrosis (death) of the skin.

Phosphoric acid:

Oral LD50(rat): 1,530 mg/kg

Inhalation LC50(rat): > 850 mg/m³/1 Hr

Dermal LD50(rabbit): 2,740 mg/kg

SECTION 12 ECOLOGICAL INFORMATION

There is no ecological information available for this product, however, large quantities should not be discharged into drains, sewers or waterways.

SECTION 13 DISPOSAL CONSIDERATIONS

Refer to appropriate authority in your State. Dispose of material through a licensed waste contractor. Advise corrosive nature. If large amounts of the product enter waterways, sewers or streams, immediately contact the Environmental Protection Agency or your Local Waste Management Authority.

SECTION 14 TRANSPORT INFORMATION

Road Transport (ADR/RID)

UN Number: 1805

Proper Shipping Name: PHOSPHORIC ACID

Dangerous Goods Class: 8

Packing Group: III

Air Transport (ICAO/IATA)

UN Number: 1805

Proper Shipping Name: PHOSPHORIC ACID

Dangerous Goods Class: 8

Packing Group: III

Sea Transport (IMDG)

UN Number: 1805

Proper Shipping Name: PHOSPHORIC ACID

Dangerous Goods Class: 8

Packing Group: III

Emergency information (Transport):

Dangerous Goods - Initial Emergency Response Guide (SAA/SNZ HB76:2010)

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SECTION 15 REGULATORY INFORMATION

Poison Schedule: S5 [Aust]

This material is a Scheduled **S5** Poison and must be stored, handled and used according to the appropriate regulations.

Inventory Status:

Inventory	Status:
Australia (AICS)	Y
United States (TSCA)	Y
Europe (REACH/CLP)	Y



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Y = all ingredients are on the inventory.

EU Label: Corrosive (C)

SECTION 16
OTHER INFORMATION

Date of original preparation September 2012.

Date of re issue. January 2015

Date of expiry. Sept.2020

Disclaimer:

All information contained in this Safety Data Sheet is as accurate and up to date as possible. **Peega Chemicals Pty Ltd** cannot anticipate or control the conditions under which the product can be used, each user should review the current MSDS and be satisfied that the product is being used correctly.

END OF SDS [MSDS]