



Keeping it in the Community

Broome
Derby
Perth

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SAFETY DATA SHEET

Progressive Supplies Sales - Service - Supplies - Local Support

1 Identification

GHS Product Identifier

PRO SOUR

Recommended use of the chemical and restriction on use

Pro Sour is an acid liquid that is used to control the end pH in commercial laundries. Use rate through an automatic dispenser is approx. 1 mil per kilo dry weight of linen.

Supplier's details

5 Heads Pty Ltd trading as:

Perth Progressive Supplies, **Street Address:** 230 Gnangara Rd, Landsdale WA 6065

Ph: 08 9303 9290

E: perthsales@progressivesupplies.com.au

Broome Progressive Supplies, **Street Address:** 7 Haynes Street, Broome WA 6725

Ph: 08 9192 6200

E: sales@progressivesupplies.com.au

Derby Progressive Supplies, **Street Address:** 24 Clarendon St Derby WA 6728

Ph: 08 9191 1000

E: derby@progressivesupplies.com.au

ACN: 098 396 546

Emergency phone number

National Poisons Information Centre: Phone Australia **13 11 26**.

2 Hazard(s) identification

Classification of the substance or mixture

HAZARDOUS ACCORDING TO EU CRITERIA

Hazard Category: Corrosive (C)

Hazard Classification: HAZARDOUS SUBSTANCE, DANGEROUS GOOD

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: None Recommended.

GHS label elements



Causes severe skin burns and eye damage

Keep out of reach of children.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower.

IF exposed or concerned: Get medical advice/attention.

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

IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

3 Composition/information on ingredients

Description	CAS Number	EINECS Number	%	Note
Phosphoric Acid	7664-38-2		10 - 30	163 g/LT
water and other non-hazardous substances			30 - 60	MIXTURE

4 First-aid measures

Description of necessary first-aid measures

Swallowed:

If swallowed, **DO NOT** induce vomiting. Give plenty of water to drink. Seek urgent medical assistance.

Eye:

If material is splashed into eyes, flush with plenty of water for at least 15 minutes, ensuring eye lids are held open. URGENTLY transport to hospital or doctor.

Skin:

If material is splashed onto the skin, remove any contaminated clothing and wash skin thoroughly with water and soap. Immediately transport to hospital or doctor.

Inhaled:

Remove victim to fresh air. Do not use mouth-to-mouth method if victim inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Administer oxygen if breathing is difficult.

First Aid Facilities: Eye wash fountain, safety shower and normal wash room facilities.

Indication of immediate medical attention and special treatment needed, if necessary

Advice to Doctor:

Treat symptomatically.

In case of poisoning, contact Poisons Information Centre

In Australia call Tel: **131126**

In New Zealand Tel: 034747000

5 Fire-fighting measures

Suitable extinguishing media

Use dry chemical, carbon dioxide, foam or water fog.

Specific hazards arising from the chemical

CAUTION: Use of water spray when fighting fire may be inefficient.

Special protective actions for fire-fighters

Self-contained breathing apparatus (SCBA) required for fire-fighting personnel. If possible to do so safely, shut off fuel to fire. Use water spray to spray to cool fire-exposed surfaces and to protect personnel.

UNUSUAL FIRE AND EXPLOSION HAZARDS: If tanks, drums or containers of this material are heated, they may rupture and project corrosive liquids over a wide area.

HAZCHEM CODE: 2R [Aust]

FLAMMABILITY

Not flammable or combustible. If involved in a fire may generate noxious and corrosive fumes.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Trained personnel should wear Personal Protective equipment as highlighted in this SDS.

EMERGENCY ACTION:

Keep unnecessary people away; Isolate hazard area and deny entry. Stay upwind; Keep out of low areas. Wear appropriate eye, skin and respiratory protection as outlined in this SDS.

Methods and materials for containment and cleaning up

SPILL OR LEAK PROCEDURE:

Shut off ignition sources, no flares, smoking or flames in hazard area.
Stop leak if you can do it without risk. Water spray may reduce vapour.

SMALL SPILLS:

Take up with sand, dirt or vermiculite. **DO NOT** use sawdust. Use non-sparking tools.
Place into labelled drum(s) for later disposal.

LARGE SPILLS:

Notify Emergency Services (Police or Fire Brigade). Tell them exact location, nature, hazards, quantities, type of vehicle and any other information that would be helpful. Contain spill. Remove all ignition sources and safely stop flow of spill. Bund area.

7 Handling and storage

Precautions for safe handling

Check all fittings, valves, reticulation (piping) and any ancillary equipment for leaks.

A supplied air respirator or a Self-Contained Breathing Apparatus (SCBA) for emergencies should be available and checked regularly.

For further information please refer to the Engineering Controls of this SDS.

Conditions for safe storage, including any incompatibilities

Store in a cool place and out of direct sunlight.

Store away from sources of heat or ignition, alkalis, combustibles and oxidizing agents.

All equipment must be earthed.

Store in original packages as approved by manufacturer.

8 Exposure controls/personal protection

Control parameters

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

(Worksafe Australia)

[TWA] 1 mg/m³

[STEL] 3 mg/m³

References: H

(ACGIH)

[TWA] 1 mg/m³

[STEL] 3 mg/m³

WATER AND OTHER NON-HAZARDOUS SUBSTANCES

No Exposure details available

Appropriate engineering controls

Engineering Controls

Corrosive liquid. Single significant exposure may cause severe injury or even death. Maintain adequate ventilation at all times. Prevent accumulation of vapours in hollows or sumps. Eliminate any sources of ignition. Exposure to this material may be controlled in a number of ways. The measures appropriate for a particular worksite depend on how the material is used and on the potential for exposure. Engineering methods to prevent or control exposure are preferred. Methods include process or personnel enclosure, mechanical ventilation (dilution and local exhaust), and control of process conditions. If engineering controls and work practices are not effective in preventing or controlling exposure, then suitable personal protective equipment, which is known to perform satisfactorily, should be used.

Individual protection measures

Personal Protection Equipment This product is corrosive and poisonous. The following protective equipment is recommended in all circumstances when mixing or using this product.

CLOTHING: PVC or Nitrile.

GLOVES: PVC or Nitrile.

EYES: Chemical goggles or faceshield to protect eyes.

RESPIRATORY PROTECTION: Avoid breathing of vapours. Select and use respirators in accordance with AS/NZS 1715/1716. When the concentration of airborne contaminants reach the exposure standards then the use of a half-face respirator with acid vapour cartridge is recommended. For high concentration use a atmosphere-supplied, positive pressure demand self-contained or airline breathing apparatus supplied air respirator complying with the requirements of AS/NZS 1715 is recommended. Filter capacity and respirator type depends on exposure levels and type of contaminant. If entering spaces where the airborne concentration of a contaminant is unknown then the use of a Self-contained breathing apparatus (SCBA) with positive pressure air supply complying with AS/NZS 1715 / 1716, or any other acceptable International Standard is recommended. The use of fully-encapsulating, gas-tight suit is also recommended.

9 Physical and chemical properties

Physical and chemical properties

Appearance: Clear green liquid

Boiling Point Melting Point: > 100 degrees C

Vapour Pressure: Not known

Specific Gravity: 1.09

Flash Point: None

Flammability Limits: Non Flammable

Solubility in Water: All proportions

Other Properties

pH (1% solution) : 1.5 - 2.5

10 Stability and reactivity

Chemical stability

Stable under normal conditions of use.

Possibility of hazardous reactions

HAZARDOUS POLYMERIZATION: Will not occur.

Conditions to avoid

Heat and incompatibles.

Incompatible materials

Strong bases, aluminium, zinc, magnesium and oxidizing agents.

Hazardous decomposition products

Emits choking and corrosive fumes when heated to decomposition.

11 Toxicological information

Toxicological (health) effects

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

Toxicological Data:

There is no other toxicological information available for this product.

Delayed and immediate effects and also chronic effects from short and long term exposure

ACUTE HEALTH EFFECTS:

Swallowed:

Will cause burns to the mouth, mucous membranes, throat, oesophagus and stomach. If sufficient quantities are ingested (swallowed) death may occur.

Eye:

Will cause burns to the eyes with effects including: Pain, tearing, conjunctivitis and if duration of exposure is long enough, blindness will occur.

Skin:

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

Inhaled:

Will cause severe irritation to the nose, throat and respiratory system with effects including: Dizziness, headache, coughing, loss of co-ordination, chest pains, respiratory paralysis and or failure.

Chronic:

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

Numerical measures of toxicity (such as acute toxicity estimates)

Additional information for Chronic:

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

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

Inhalation TClO(Human): 100 mg/m³

12 Ecological information

Toxicity

Ecotoxicity:

This product will consume organic matter and is poisonous in aquatic environments in large concentrations..

Persistence and degradability

Readily Biodegradable.

Mobility in soil

Readily dilutes with water.

Other adverse effects

Chemical Fate Information:

This substance may cause long term adverse effects in the aquatic environment.

13 Disposal considerations

Disposal methods

Refer to appropriate authority in your State.

Dispose of material through a licensed waste contractor.

Advise on acidic nature. Normally suitable for disposal by approved waste disposal agent.

14 Transport information

UN Number

1805

UN Proper Shipping Name

PHOSPHORIC ACID

Transport hazard class(es)

8

Label: Corrosive (C)

Packing group, if applicable

III

15 Regulatory information

Safety, health and environmental regulations specific for the product in question

Poison Schedule: S6 [Aust]

Inventory Status:

<i>Inventory</i>	<i>Status</i>
Australia (AICS)	All materials are listed.

16 Other information

Other information

Key Legend Information:

NOHSC -National Occupational Health & Safety Commission {Formerly Worksafe}[Aust]

SUSDP -Standard for the Uniform Scheduling of Drugs and Poisons [Aust]

TWA -Time Weighted Average [Int]

STEL -Short Term Exposure Limit [Int]

AICS -Australian Inventory of Chemical Substances

EPA -Environmental Protection Agency [Int]

NIOSH -National Institute for Occupational Safety and Health [US]

AS/NZS 1715 -Selection, use and maintenance of respiratory protective devices. [Aust/NZ]

AS/NZS 1716 -Respiratory protective devices. [Aust/NZ]

IATA -International Aviation Transport Authority [Int]

ICAO -International Civil Aviation Organization [Int]

IMO -International Maritime Organisation. [Int]

IMDG -International Maritime Dangerous Goods [Int]

United Nations Recommendations for the Transport of Dangerous Goods and Globally Harmonized System for the classification and labelling of Chemicals. [Int]

EU -European Union

[Aust/NZ] = Australian New Zealand

[Int] = International

[US] = United States of America

Removal of the heading of Poison Schedule [Aust], in section 3 and 15 of this Safety Data Sheet (SDS) makes this a valid health and safety document in other international jurisdictions/countries. For full compliance please contact your Federal, State or Local regulators for further information.

THIS SDS 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 MUST REVIEW THE SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY, SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS.

OUR RESPONSIBILITY FOR PRODUCT SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

Principal References:

Information supplied by manufacturer, reference sources including the public domain.

END OF SDS