

## SAFETY DATA SHEET

### SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

- Product name: **MACHINE DESCALER**
- Product Code: None allocated
- Other names: None allocated
- Recommended use: ACID CLEANER
- Supplier name: Blandeen Pty Ltd
- Supplier address: Po Box 274 Kilcoy QLD 4515
- Supplier telephone number: 0411 884 942
- Emergency number: POISONS INFORMATION CENTRE 131126 or Distributor 0755314890
- Distributor name: DUNCKERS
- Distributor address: 3A Whalley Creek Close Nambour QLD 4560
- Distributor telephone number: 07 54413390
- Distributor fax number: 07 54412630

### SECTION 2 - HAZARDS IDENTIFICATION

Hazard Classification: Hazardous *according* to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS).  
Classified as Dangerous goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Hazard Categories: Skin Corrosion/Irritation – Category 1B

Signal Word: Danger

Pictograms:



Hazard Statements: H314 Causes severe skin burns and eye damage.

Precautionary Statements:

- |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Prevention | P260 Do not breathe fume/gas/mist/vapour/spray.<br>P264 Wash contaminated skin thoroughly after handling.<br>P270 Do not eat, drink or smoke when using this product.<br>P280 Wear protective gloves/ protective clothing/eye protection/ face protection.                                                                                                                                                                                                                                                                                                                      |
| Response   | P310 Immediately call a POISON CENTRE or doctor/physician.<br>P301+P330+P331 If SWALLOWED: rinse mouth. Do NOT induce vomiting.<br>P303+P361+P353 If on SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.<br>P304+P340 If INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.<br>P305+P351+P338 If in EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P363 Wash contaminated clothing before re-use. |
| Storage    | P405 Store locked up.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Disposal   | P501 Dispose of contents/container to an approved waste disposal plant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

**SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS**

Ingredients	CAS Number	Proportion
PHOSPHORIC ACID	7664-38-2	10-30%
Ingredients determined to be non-hazardous	Various	To 100%

**SECTION 4 - FIRST AID MEASURES**

If poisoning occurs contact a Doctor immediately or the Poisons Information Centre on 131126.

- First Aid Facilities: Normal washroom facilities / Eye wash station / Safety shower
- Eye Contact: Rinse eyes immediately (including under eye lids) for at least 20 minutes with running water. Seek medical advice immediately.
- Skin Contact: Remove all contaminated clothing and footwear. Wash the skin with plenty of water. Seek medical advice. Fully launder clothes before re-use.
- Ingestion: DO NOT INDUCE VOMITING. Seek medical advice immediately. Do NOT attempt to give anything by mouth to an unconscious person. Rinse mouth with water. Give water to drink. If vomiting occurs, give further water to dilute.
- Inhalation: Remove to fresh air. Seek medical advice immediately. If not breathing provide artificial respiration.
- Advice to Doctor: Treat symptomatically. All treatments should be based on observation and symptoms of distress.

**SECTION 5 - FIRE FIGHTING MEASURES**

- Extinguishing Media: Not flammable. Foam, dry chemical or fine water spray.
- Hazards from Combustion Products: Carbon dioxide, carbon monoxide, nitrogen oxides and other toxic gases may be produced in the case of fire or during thermal decomposition. Corrosive acid vapours may be present..
- Fire Fighters: Fire fighters to wear full protective clothing and self-contained breathing apparatus. Move upwind of fire. Keep containers that are exposed to heat cool with water spray.
- Hazchem Code: 2R
- Flashpoint: None

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

- Emergency Procedures: Hazchem Code 2R.  
2 = water fog – in the absence of fog a fine spray may be used.  
R = Full protective clothing and breathing apparatus. Dilute.
- Methods and Materials for Containment and Clean Up: Minor spills normally do not require any special clean up measures. In the event of a major spill prevent spillage from entering drains, water courses, sewers or any body of water. Wear protective equipment (as per section 8) to prevent skin and eye contamination. Contain and absorb any spillage with sand, earth or inert material. Scoop into a sealable container for disposal by an approved agent according to local conditions. Any residual deposits may be slippery. Wash down all areas with water. If contamination of sewers or waterways has occurred notify your local emergency services.

**SECTION 7 HANDLING AND STORAGE**

- Handling: Keep out of reach of children. When handling do not eat, drink or smoke. Avoid contact with skin, eyes and do not inhale. Use in a well-ventilated area. Do not add water directly to the product. Add product slowly into water. Wash hands with water after handling.
- Storage: Store in a cool, well ventilated, dry place away from direct sunlight. Keep container closed at all times.
- Incompatibility: Incompatible with aluminium, magnesium, zinc, copper, alloys and tin.

**SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

- Exposure standards: There are no exposure standards available for this product. Individual components of the product are – NOHSC Phosphoric Acid 1mg/m<sup>3</sup>
- Biological limit values: None established for this product.
- Engineering controls: Ensure ventilation is adequate and avoid generating mists of the product. Ensure eyewash and/or a safety shower in working area. Keep container closed when not in use.
- Personal Protective Equipment:
  - Eye protection: Avoid contact with eyes. The use of safety goggles/ glasses with side protection is recommended.
  - Skin Protection: Wear chemical resistant gloves, overalls, apron and appropriate footwear.
  - Respiratory: If ventilation is inadequate wear a respirator to protect against exposure to high vapour concentrations. Respirators should comply with AS/NZS 1715 and AS/NZS 1716.
  - Other: Do not eat, drink or smoke whilst handling product. Wash hands after use.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

- Appearance: A clear liquid.
- Odour: No odour.
- pH: 1 - 2 (Neat).
- Vapour Pressure: Not available.
- Vapour Density: Not available.
- Boiling Point: Not available.
- Freezing/Melting Point: Not available.
- Solubility: Soluble in water.
- Specific Gravity: 1.2
- Flash Point: Not flammable.
- Flammability limits: Not available.

**SECTION 10 - STABILITY AND REACTIVITY**

- Chemical stability: Stable at normal temperatures and pressure.
- Conditions to avoid: Avoid high temperatures (store below 30°C). Protect against physical damage.
- Incompatible materials: Incompatible with oxidising agents, strong alkalis, reducing agents, combustible materials and metals.
- Hazardous decomposition products: None recorded.
- Hazardous reactions: May react with metals to produce flammable hydrogen gas.

**SECTION 11 - TOXICOLOGICAL INFORMATION**

- Ingestion: Corrosive – will cause severe burns and irritation to the mouth, throat and digestive tract. Swallowing can cause nausea, vomiting and diarrhoea.
- Skin Contact: Corrosive to skin – will cause burns to skin and severe irritation. Corrosion will continue until chemical is removed.
- Eye Contact: Corrosive to eyes – will cause irritation and possible permanent damage.
- Inhalation: Inhalation of mists will cause severe irritation and possible chemical burns to the respiratory tract and nasal passages.

## **SECTION 12 - ECOLOGICAL INFORMATION**

- Ecotoxicity: None available.
- Persistence and degradability: None available.
- Bioaccumulative potential: None available.
- Mobility: None available

This product is miscible in water. Do not discharge bulk quantities into drains, waterways, sewer or environment. Notify your local authority if this occurs.

## **SECTION 13 - DISPOSAL CONSIDERATIONS**

- Disposal: To dispose of quantities of undiluted product refer to your State Land Waste Management Authority. Do not discharge product into drains or waterways. Dispose of material through a licensed accredited waste disposal contractor.

## **SECTION 14 - TRANSPORT INFORMATION**

- UN Number: 1805
- UN Proper Shipping Name: PHOSPHORIC ACID SOLUTION
- Class and Subsidiary Risk: ADG Class 8
- Packing Group: III
- Hazchem Code: 2R
- Special precautions: This material is a class 8 Corrosive Substance according to the Australian Code for the Transport of Dangerous Goods by road and rail.

## **SECTION 15 - REGULATORY INFORMATION**

- SUSMP Classification: S6 Poison
- Regulatory Information: Hazardous *according* to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS).

## **SECTION 16 - OTHER INFORMATION**

- Issue Date: November 2016
- Version No. 1.0

This SDS summarises at the date of issue 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. Since the supplier and/or distributor cannot anticipate or control the conditions under which the product may be used, every user must prior to usage review this SDS in the context of how the user intends to handle and use the product in the workplace. If clarification or further information is required to ensure that an appropriate risk assessment can be made, the user should contact this company.

END OF SDS