



Date of Issue: 17 November 2016

Phos Kleen

1. IDENTIFICATION OF MATERIAL AND SUPPLIER

Product Name	Phos Kleen
Code	50154
Product Use	Low foam acidic descaler
Company Name	Dominant (Australia) Pty Ltd
Address	12 Coglin Street, Brompton SA 5007, Australia
Telephone	1300 789 852 or +61 (8) 8245 6900
Facsimile	+ 61 (8) 8340 1626
Emergency Phone	13 11 26

2. HAZARDS IDENTIFICATION

GHS Classification	Eye Damage 1 Skin Corrosion 1B Metal Corrosion 1
Signal Word	DANGER
Hazard Statements	Causes severe skin burns and eye damage May be corrosive to metals
Precautionary Statements	Keep out of reach of children. Do not breathe mists / spray. Wash skin thoroughly after handling Wear protective gloves/ protective clothing/ eye protection/face protection. Store locked up. Keep only in original container. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

Pictograms



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Product Name: Phos Kleen**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredients	Name	CAS	Proportion
	Phosphoric acid	7664-38-2	30-60%
	Etidronic acid	2809-21-4	1-10%
	Ingredient classified as non-hazardous	Not Required	Balance

4. FIRST AID MEASURES

Ingestion	If swallowed do NOT induce vomiting. Immediately wash out mouth with water. Seek urgent medical attention.
Eye	If in eyes, hold eye lids 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. Seek urgent medical attention.
Skin	If skin contact occurs, Remove/ Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Seek medical attention if skin irritation develops
Inhaled	Not normally a problem due to method of use. However if breathing is affected move victim to fresh air. Seek urgent medical attention.
First Aid Facilities	An eye wash and general washing facility should be available to the work area.
Advice to Doctor	Treat symptomatically. For advice contact a Poisons Information Centre. (Phone Australia 131 126; New Zealand 0800 764 766)

5. FIRE FIGHTING MEASURES

Extinguishing Media	Use appropriate extinguishing media to suit surrounding area. Do not use a direct water stream.
Hazards from Combustion	Material does not burn. If involved in fire hazardous decomposition products include toxic gases and vapours.
Precautions for Fire Fighters	Wear chemical splash suit and SCBA. Keep containers cool by spraying with water. Contact with metals may evolve flammable hydrogen gas.
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Product Name: Phos Kleen**6. ACCIDENTAL RELEASE MEASURES**

Emergency Procedures	Keep unauthorized people away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
Clean Up	For minor spills mop up and rinse with water. For larger spills absorb material on mineral absorbent material or absorbent pads to prevent material damage. Neutralize with soda ash or lime. Collect and put into plastic bags or containers and dispose of through waste disposal contractor. Rinse area with water.

7. HANDLING AND STORAGE

Handling	Wear appropriate protective clothing to prevent skin and eye contact. Use in well ventilated area. Keep containers closed when not in use. Maintain a high standard of personal hygiene. Wash hands immediately after using product.
Storage	Corrosive product. Store in a cool, dry, well ventilated place out of direct sunlight. Keep only in original containers. Store in closed containers. Store away from incompatible materials such as caustic compounds, chlorine bleaches, aluminium or zinc. Store locked up.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards	Exposure standard for phosphoric acid: TWA 1mg/m ³ STEL 3mg/m ³
Engineering Controls	Ensure ventilation is adequate to maintain air concentrations below exposure standards. Use product in tanks or CIP systems. Do not use through high pressure spray units.
Personal Protective Equipment	Wear overalls, chemical goggles or face mask, safety shoes or boots and impervious gloves. If mist or vapour exists wear respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716

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Product Name: Phos Kleen**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	Clear colourless liquid
Solubility in Water	Soluble
pH	<1
Flash Point	Not applicable
Melting Point	Not applicable
Boiling Point	Not applicable
Specific Gravity	1.31

10. STABILITY AND REACTIVITY

Stability	Stable product
Hazardous Polymerisation	Will not occur
Conditions to Avoid	Do not mix with caustic compounds or chlorine bleaches.
Incompatible Materials	Reacts violently with caustic and evolves chlorine gas if mixed with chlorine bleach. Attacks aluminium, tin, zinc and concrete.

11. TOXICOLOGICAL INFORMATION

Ingestion	Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and bleeding. Can cause chemical burns to the mouth, oesophagus and gastrointestinal tract.
Eye	Corrosive to eyes. Will cause severe irritation and chemical burns. Contamination of eyes can result in permanent injury or blindness if not treated promptly.
Skin	Corrosive to skin – may cause skin burns. Contact with skin will result in severe irritation.
Inhalation	Vapours and mists cause severe irritation to the mucous membranes and upper respiratory tract.
Chronic Effects	Prolonged or repeated exposure to this product will result in skin irritation and possibly result in dermatitis.
Toxicological Data	For phosphoric acid Oral LD L50 : 1530mg/kg (rat) Skin 595mg/24H: Severe (rabbit) Eye 119mg: Severe (rabbit) (Reference: Dangerous Properties of Industrial Materials 7th Edition)

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12. ECOLOGICAL INFORMATION

Ecotoxicity Ecotoxicity value :For phosphoric acid
TLm mosquito fish 138mg/L/24-96 hr in turbid water at 22 – 24 °C.
Avoid contaminating waterways.

13. DISPOSAL CONSIDERATIONS

Refer to Waste Management Authority. Dispose of material through licensed waste contractor. Assure conformity with all applicable regulations.

14. TRANSPORT INFORMATION

UN No. 1805
Proper Shipping Name PHOSPHORIC ACID
Hazchem Code 2R
Class 8 Corrosive
Packing Group III

15. REGULATORY INFORMATION

Classification Poisons Schedule: S6 according to the Poisons Standard March 2016
Approvals Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

16. OTHER INFORMATION

Contact Point Dominant Australia. Phone 08 8245 6900
24 hour medical emergency 13 11 26
Date of preparation 1st August 2016