Safety Data Sheet

PHOSKLEEN

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	Phoskleen
Product Code	1PHOS
Product Use	Scale and mineral deposit remover.
Company Name	Sure Kleen Products Pty. Ltd.
Address	9 Agett Road Malaga Western Australia 6090
Emergency Telephone	1800 057 377
Telephone	(08) 92487444
Fax	(08) 92487733
Web	www.surekleenproducts.com.au

2. HAZARDS IDENTIFICATION

Hazardous Nature:
Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; DANGEROUS GOODS.
This material is hazardous according to Safe Work Australia; HAZARDOUS SUBSTANCE.
Poisons Schedule (SUSMP): S6 Poison.

Classification of the substance or mixture:
Serious Eye Damage/Irritation - Category 1
Skin Corrosion/Irritation - Category 1A
Acute Toxicity (Dermal) - Category 5
Acute Toxicity (Oral) - Category 4



Signal Word: Danger

Hazard Statement(s):
H290 May be corrosive to metals.
H302 Harmful if swallowed
H313 May be harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.

Precautionary Statement(s):
Prevention:
P234 Keep only in original container.
P260 Do not breathe dust / fume / gas / mist / vapours / spray.
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves / protective clothing / eye protection / face protection.

Response:
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P363 Wash contaminated clothing before re-use.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P310 Immediately call a POISON CENTER or doctor/physician.
P321 Specific treatment (see First Aid Measures on Safety Data Sheet).
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P390 Absorb spillage to prevent material damage.

Storage:
P405 Store locked up.
P406 Store in corrosive resistant container with a resistant inner liner.

Disposal:
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

	Ingredient	CAS No.	Proportion
	Phosphoric acid	7664-38-2	30 – 60%
	Water and other non-hazardous ingredients	-	to 100%

4. FIRST AID MEASURES

Inhalation	Remove victim from exposure. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.
Ingestion	Immediately rinse mouth with copious amounts of water. Do not induce vomiting. Give water to drink. Seek immediate medical attention.
Skin	Immediately drench with running water and remove contaminated clothing.
Eye	If in eyes, hold eyelids apart and irrigate with clean water for at least 15 minutes. Seek immediate medical assistance.
First Aid Facilities	Eye wash station and safety shower.
Advice to Doctor	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Not flammable. Not combustible. Use extinguishing media appropriate to the source of the fire.
Hazards from Combustion Products	In the event of a major fire, this product may emit toxic fumes.
Precautions for Fire Fighters	Cool containers with water to prevent containers from rupturing.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Small spills may be diluted with water or neutralised with soda ash and mopped up. Personnel involved in the clean up of large spills should wear appropriate protective clothing as specified in Section 8. Clean up spills immediately to prevent further accidents. Evacuate all unnecessary personnel. Stop leak if safe to do so. Do not let product enter drains or waterways.
Spills & Disposals	Contain and recover liquid where possible. Use material such as earth to contain spill and pack contaminated material into appropriate containers for disposal at approved site. Spills can be neutralized with lime or soda ash. Wash affected area with water.

7. HANDLING AND STORAGE

Storage	Store in original container in a cool, well ventilated area out of direct sunlight. Keep containers closed when not in use.
Handling	Wear protective clothing as specified in Section 8 when handling product in bulk or there is potential for skin and eye contact. Wash hands and other exposed areas with soap and water immediately after handling and before eating, drinking, smoking or using the toilet.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Standards	Threshold Limit Values for Phosphoric Acid: Time Weighted Average (TWA) = 1 mg/m^3 Short Term Exposure Limit (STEL) = 3 mg/m^3
Biological Limits	None allocated.
Engineering controls	Use with good general ventilation.
Personal Protective Equipment	**Eye Protection:** Face shield and/or chemical goggles (AS 1336/1337). **Glove Type:** Impervious PVC, rubber or nitrile gloves (AS 2161). **Clothing:** PVC, nitrile or rubber splash apron and safety boots. **Respirator**: If an inhalation risk exists, wear an approved organic vapour respirator complying with AS 1716.

9. PHYSICAL AND CHEMICAL PROPERTIES	
Appearance	Clear pink mobile liquid
Odour	None
pH (neat)	<2
Vapour Pressure	Not determined
Vapour Density	Not determined
Boiling Point/Range	Approximately 100ºC
Freezing/Melting point	<0ºC
Solubility in Water	Miscible in all proportions
Specific Gravity	Approximately 1.4
Flash Point	Not applicable
Flammable Limits	Not flammable
10. STABILITY AND REACTIVITY	
Chemical Stability	Stable under normal conditions of storage and handling.
Materials to Avoid	Alkaline materials, strong oxidising agents and chlorine products (pool chemicals).
Decomposition	Only in a major fire (composition unknown)
Hazardous Reactions	Reacts with alkalis with evolution of considerable heat. Reacts with chlorine products (pool chemicals) with evolution of toxic chlorine gas.
11. TOXICOLOGICAL INFORMATION	
Health Hazard Summary	Product is highly acidic. Corrosive to skin and eyes.
Inhalation	Not a likely route of exposure (product is not volatile). Inhalation of mist or spray may cause respiratory irritation and possible harmful corrosive effects including lesions of the nasal septum, pulmonary oedema, pneumonitis and emphysema.
Ingestion	LD50 (oral) = 3000mg/kg. Ingestion may cause burns to the mouth and throat, pain in the stomach, difficulty in breathing, nausea, vomiting, diarrhoea, and convulsions. If swallowed in large amounts gastric or oesophageal perforation is possible.
Skin	Corrosive to skin. Skin contact may cause redness, itching, irritation, severe pain and chemical burns with resultants tissue destruction.
Eye	Corrosive to eyes. Mists may cause severe eye irritation. Concentrated solution can cause severe burns, pain and permanent eye damage.
Toxicity Data	Low systemic toxicity. The toxic effects of this product are due to its acidity.
12. ECOLOGICAL INFORMATION	
Ecotoxicity	May be harmful in the aquatic environment due to reduction of water pH.
Persistence and Degradability	No data available.
Mobility	No data available.
13. DISPOSAL CONSIDERATIONS	
Waste Disposal	Refer to waste management authority. Containers should be thoroughly rinsed and recycled.
Legislation	Dispose of in accordance with applicable local and national regulations. Contact a specialist waste company or local regulator for advice.
14. TRANSPORT INFORMATION	
Classified as a Dangerous Good according to the criteria of the ADG Code	
U.N. Number	1805
Proper Shipping Name	PHOSPHORIC ACID SOLUTION
Class and Subsidiary Risk(s)	Corrosive 8
Packing Group	III
Special Precautions	None
Hazchem Code	2R

15. REGULATORY INFORMATION

Poisons Schedule	Schedule 6
AICS	All ingredients are listed on the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

Contact Point	John Browner
Title	Technical Manager
Telephone	08 92487444
After Hours	1800 057 377

The information contained in this Safety Data Sheet is believed to be accurate and reliable; however, Sure Kleen Products shall not be liable for any inaccuracy in the information or for any loss, injury or damage whatsoever arising from the use of this product as conditions and methods of use are beyond our control. Users should read this Safety Data Sheet and evaluate the information in the context of how the user intends to handle and use the product in the workplace including the use of this product with other products.

End of Report