

Infosafe No™ VARC Y	Issue Date : November 2024	ISSUED by MILESTON
Product Name PHOSWASH DESCALE		

Section 1 - Identification

Product Identifier	PHOSWASH DESCALE
Company Name	Milestone Chemicals Pty. Ltd. (ABN 85115166357)
Address	115 Northern Road West Heidelberg VIC 3081 AUSTRALIA
Telephone/Fax Number	Tel: (03) 9450 4555 Fax: (03) 9457 5518
Emergency Phone Number	(03) 9450 4555 Mon-Fri 8am - 6pm
Recommended use of the chemical and restrictions on use	Used as a rinse product for removing milk stones and other deposits in dairy industries. Also will remove scale and rust deposits on steel, or ceramic surfaces.

Section 2 - Hazard(s) Identification

GHS Classification of the Substance/Mixture	Eye damage/irritation: Category 1 Skin corrosion/irritation: Category 1B
Signal Word	DANGER
Hazard Statement (s)	H314 Causes severe skin burns and eye damage.
Pictogram (s)	Corrosion



Precautionary Statement – Prevention	P260 Do not breathe dust/fume/gas/mist/vapours/spray. P264 Wash contaminated skin thoroughly after handling. P280(f) Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement – 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 [or shower]. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER/doctor. P363 Wash contaminated clothing before reuse. P405 Store locked up.
Precautionary Statement – Storage	
Precautionary Statement – Disposal	P501 Dispose of contents/container: Recycle packaging by replacing cap and returning clean containers to recycler or designated collection point.
Precautionary Statement – General	P102 Keep out of reach of children. P103 Read carefully and follow all instructions.

Section 3 - Composition and Information on Ingredients

Ingredients	Name	CAS	Proportion
	Phosphoric acid	7664-38-2	60-100 %
	Other ingredients determined not to be hazardous, including water	N/A	to 100%

Section 4 - First Aid Measures

Inhalation	Remove victim from exposure. Allow patient to assume most comfortable position, keep warm and at rest until fully recovered.
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Ingestion	Rinse mouth with water. Do NOT induce vomiting. Give water to drink to be taken slowly. Seek immediate medical advice.
Skin	Remove heavily contaminated clothing. Wash affected area with copious quantities of water for at least 15 minutes. If irritation develops or persists seek medical advice.
Eye	Immediately irrigate with copious quantities of water for at least 15 minutes. Hold eyelids open. Seek medical attention.
First Aid Facilities	Eye wash fountain, safety shower and normal wash room facilities.
Advice to Doctor	Treat symptomatically for acids.

Section 5 - Firefighting Measures

Suitable Extinguishing Media	Use extinguishing media appropriate to surrounding fire. Use water spray to cool containers and surrounds.
Hazards from Combustion Products	If involved in a fire may generate noxious and corrosive fumes.
Specific Methods	Fire-fighters to wear self contained breathing apparatus and protective equipment. If safe to do so remove containers from path of fire.
Specific Hazards Arising from the Chemical	Not flammable or combustible. However, flammable and explosive hydrogen gas may be formed on contact with metals.
Hazchem Code	2R

Section 6 - Accidental Release Measures

Emergency Procedures	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 MSDS.
Spills & Disposal	<p>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.</p> <p>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. Trained personnel should wear Personal Protective equipment as highlighted in this MSDS. Blanket the spill with foam or use water fog to disperse vapour clouds. Consult an expert regarding disposal of this product.</p>

Section 7 - Handling and Storage

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. 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 MSDS.
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Section 8 - Exposure Controls and Personal Protection

Occupational Exposure Limit (OEL) Values	<u>Name</u>	STEL		TWA		
		<u>mg/m3</u>	<u>ppm</u>	<u>mg/m3</u>	<u>ppm</u>	<u>Footnote</u>
	Phosphoric acid	3		1		
Other Exposure Information	No value assigned by the National Occupational Health and Safety Commission (Worksafe Australia). However, exposure standards for constituents: Phosphoric acid: TWA: 1 ppm (3 mg/m3): STEL: No value.					
Engineering Controls	Corrosive liquid. Single significant exposure may cause severe injury or even death. Maintain adequate ventilation at all times. Prevent accumulation of					

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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.

Personal Protective Equipment

Avoid contact with the skin and eyes. Personal protection to be selected from those recommended below, as appropriate to mode of use, quantity handled and degree of hazard:-

- Safety glasses
- Gloves, rubber or plastic
- Respirators in accordance with AS/NZS 1715/1716. The use of a P1 dust mask (disposable) or with replaceable filters 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.

Always maintain a high level of personal hygiene when using this product. That is wash hands before eating, drinking, smoking or using the toilet.

Section 9 - Physical and Chemical Properties

Form	Liquid
Appearance	Water thin red liquid.
Odour	Mild acidic
Boiling Point	>100C
Solubility in Water	Soluble at all dilutions.
Specific Gravity	1.5
pH	1
Flash Point	None
Flammability	Non flammable.

Section 10 - Stability and Reactivity

Chemical Stability	Stable under normal use conditons.
Possibility of Hazardous Reactions	Contact with metals may produce hydrogen gas which is flammable. If splashing occurs rinse with water and wipe clean. Do not mix with bleaches, acids, or other cleaning solutions.
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.

Section 11 - Toxicological Information

Acute Toxicity - Oral	LD50 Phosphoric acid: 1530 mg/kg oral, rat
Acute Toxicity - Inhalation	Human TCLo: 100 mg/m3
Ingestion	Will cause burns to the mouth, mucous membranes, throat, oesophagus and stomach. If sufficient quantities are ingested (swallowed) death may occur.
Inhalation	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.

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Skin	Will cause burns to the skin, with effects including; Redness, blistering, localised pain and dermatitis.
Eye	Will cause burns to the eyes with effects including: Pain, tearing, conjunctivitis and if duration of exposure is long enough, blindness will occur.
Chronic Effects	Prolonged or repeated skin contact will lead to necrosis (death) of the skin.

Section 12 - Ecological Information

Ecotoxicity	Will consume organic matter and is poisonous in aquatic environments in large concentrations.
Persistence and Degradability	Readily biodegradable.
Mobility	Readily dilutes with water.
Information on Ecological Effects	This substance may cause long term adverse effects in the aquatic environment.
Environmental Protection	Avoid contaminating waterways, drains, sewers, or ground.

Section 13 - Disposal Considerations

Waste Disposal	Refer to appropriate authority in your State. Dispose of material through a licensed waste contractor. Normally suitable for disposal by approved waste disposal agent.
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Section 14 - Transport Information

Transport Information	Classified as a Class 8 Dangerous Good. Dangerous Goods of Class 8 Corrosives are incompatible in a placard load with any of the following: - Class 1, Class 4.3, Class 5, Class 6, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are acids and Class 7.
ADG UN Number	1805
ADG Proper Shipping Name	PHOSPHORIC ACID
ADG Transport Hazard Class	8
ADG Packing Group	III
Hazchem Code	2R
EPG Number	8A1
IERG Number	37

Section 15 - Regulatory Information

Poisons Schedule	S6
Australia (AICS/AIC)	All components listed.

Section 16 - Any Other Relevant Information

Date of Preparation	9/11/2024
Literature References	Preparation of Safety Data Sheets for hazardous Chemicals Code of Practice Standard for the Uniform Scheduling of Medicines and Poisons Australian Code for the Transport of Dangerous Goods by Road & Rail Globally Harmonised System of classification and labelling of chemicals GHS7
Signature of Preparer/Data Service	Technical manager Tel: (03) 9450 4555
Technical Contact Numbers	Emergency Advice All Hours: Chief Chemist Tel: (03) 9450 4555 Mon-Fri 8am - 6pm Poisons Information Centre: 13 11 26 - 24hrs

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Other Information

This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the Workplace. Please refer to the technical datasheet (Instructions for use), and the label on the drum. The company cannot anticipate or control the individual working conditions encountered and so each user should read this SDS carefully, and if in doubt ring the Contact Point Number given below.

...End Of MSDS...

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