

MDA

1: Identification of the Material and Supplier

Product Identifier	MDA		
Other Means of Identification	MDA2X5L.CTN (2x5L)		
Recommended Use	Machine Descaling Acid		
Supplier	Organisation	Location	Contact Information
	Chemform	7 Kirke St	Phone: 1300 415 278
	ABN: 50 008 905 119	Balcatta WA 6021	Fax: (08) 9344 4360
		Australia	E-Mail: admin@chemform.com.au
			Web: www.chemform.com.au
Emergency Phone Number	Poisons Information Centre (Australia) 13 11 26		

2: Hazard Identification

Classified as hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) criteria of Safe Work Australia and classified as a dangerous good according to Australian Dangerous Goods Code

GHS Classification	Skin corrosion (category 1)
Signal Word	Danger
Hazard Statement(s)	Causes severe skin burns and eye damage.



Precautionary Statement(s)	Wear eye protection and protective gloves. Wash hands thoroughly after handling. Do not breathe mists. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTRE or doctor. Store locked up. Dispose of container in accordance with local regulations.
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3: Composition/Information on Ingredients

Ingredient	CAS Number	Proportion (% w/w)
Phosphoric acid	7664-38-2	30 – 60%
Non-hazardous ingredients	-	to 100%

4: First Aid Measures

General	For advice, contact a Poisons Information Centre (Australia 13 11 26) or a doctor.
Ingestion	If swallowed, DO NOT induce vomiting. If person is conscious, rinse mouth thoroughly with water, first then give a glass of water to drink. If vomiting occurs, wash out mouth again with water and give another glass of water to drink. Seek medical attention urgently.
Eyes	If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre (Australia 13 11 26) or by a doctor, or for at least 15 minutes.
Skin	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.
Inhalation	If swallowed or inhaled, remove from contaminated area. Apply artificial respiration if not breathing. Do not give direct mouth-to-mouth resuscitation. To protect rescuer, use air-viva, oxy-viva or one-way mask. Resuscitate in a well-ventilated area.
Symptoms Caused by Exposure	Please refer to Section 11- Toxicological Information.
Medical Attention and Special Treatment	Treat symptomatically as for strong acids.

5: Fire Fighting Measures

Suitable Extinguishing Equipment	Material itself is not combustible. Extinguish fire using agent suitable for type of surrounding fire. Use foam, dry chemical or carbon dioxide. Keep run-off water out of sewers and water sources.
Specific Hazards Arising from the Chemical	When heated to decomposition will produce irritating fumes.
Special Protective Equipment and Precautions for Fire Fighters	Use water spray to keep fire-exposed containers cool. The following protective equipment for fire fighters is recommended when this material is present in the area of a fire. Liquid-tight chemical protective suit with breathing apparatus.
Hazchem Code	2R

6: Accidental Release Measures

Personal Precautions	Surfaces may be slippery. Increase ventilation. Wear PPE in accordance with section 8. Stop leak if safe to do so. Isolate the spill area. Keep unnecessary personnel away. Clean up immediately to avoid accidents.	
Environmental Precautions	Do NOT allow spilled concentrated product to enter drains, sewers, creeks, dams, rivers or waterways.	
Spills and Disposal	Small Spills Dilute and wash down surface with water. Soda ash, sodium bicarbonate (baking soda) or lime can be used to neutralise spill. Avoid contact with metals	Large Spills Contain, collect and recycle spilt product if possible otherwise absorb spill with material such as soil, sand, attapulgate, vermiculite. Collect and seal in properly labelled, chemical resistant containers. Wash area with water. Seek disposal options by a licensed waste contractor.

7: Handling and Storage

Precautions for Safe Handling	Do not eat, drink or smoke when using the product. Wash hands after use. Avoid direct contact with product. Do not inhale vapours. Use PPE as described in section 8. ALWAYS add acid to water while stirring to prevent release of heat, steam and fumes.
Conditions for Safe Storage	Always replace lid on container after use. Store in a cool dry place out of direct sunlight and out of reach of children.

8: Exposure Controls – Personal Protection

National Exposure Standards	TWA of 1mg/m ³ as phosphoric acid
Engineering Controls	Avoid generation and inhalation of mists and aerosols
Individual Protection	
Eyes/Face	Safety goggles
Hands	Rubber or nitrile gloves
Skin	Protective work wear and chemical resistant footwear.
Respiratory	Where mist/fumes are a problem use a respirator.

9: Physical and Chemical Properties

Appearance	Clear liquid
Odour	Nil
pH	1 – 2
Vapour Pressure	No data available
Vapour Density	No data available
Flash Point	No data available
Flammability Limits	Not flammable
Boiling Point	>100°C
Melting Point	<0°C
Specific Gravity	1.3 – 1.4
Solubility	Soluble in water

10: Stability and Reactivity

Chemical Stability	The product is stable under normal conditions.
Possibility of Hazardous Reaction	Reacts with oxidising agents and alkaline substances. Reacts with sodium hypochlorite liberating toxic chlorine gas.
Conditions to Avoid	Avoid extreme heat and high temperatures.
Incompatible Materials	Store away from strong alkalis, including sodium or calcium hypochlorite. (swimming pool chlorine), oxidizing agents, combustible solids, foodstuffs and organic peroxides.
Hazardous Decomposition Products	None known.

11: Toxicological Information

Ingestion	Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the gastrointestinal tract. LD ₅₀ Rat oral 1530 mg/kg (phosphoric acid).
Eye	Corrosive to eyes. Contact with eyes can result in permanent injury.
Skin	Highly corrosive to skin. Irritant dermatitis may result from working with this material. Produces burns, deep ulceration at the site of contact.
Inhalation	Not considered a risk of normal use. Inhalation of sprays or mists will result in respiratory irritation and possible harmful corrosive effects including lesions of nasal septum, pulmonary oedema, pneumonitis and emphysema

12: Ecological Information

Ecotoxicity	Fish: Mosquito Fish: LC ₅₀ = 138 mg/L; 96 Hr
Persistence/Degradability	Not expected to persist in the soil.
Bio-accumulative Potential	Has limited potential to bio-accumulate.
Mobility in Soil	Mobile in soil.

13: Disposal Considerations

Disposal Methods	The most effective way to dispose of product is to use as was originally intended, in accordance with label instructions. If disposal of large volumes of unwanted or excess product is required, either supply to product to someone who can use it in accordance with label instructions or contact your local council and/or state environmental authority for advice. Dispose of in accordance with Local, State and Federal regulations. Drain containers thoroughly and rinse empty containers with water and use the solution in accordance with label instructions. Recycle packaging at an approved collection point or recycling facility.
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14: Transport Information

UN Number	1805
Shipping Name	PHOSPHORIC ACID, SOLUTION
Class	8
Subsidiary Risk	None allocated
Packing Group	III
Special Precautions For Users	Ensure all containers are clearly labelled. Keep containers securely sealed and protected against physical damage
Hazchem Code	2R
IERG (HB76)	37
AERG Number	154

15: Regulatory Information

Packaging & Labelling

This product is a Scheduled Poison (S6) and must therefore be stored, maintained and used in accordance with the relevant State Poisons Act. Defined as a Dangerous Good by the Australian Code for the Transport of Dangerous Goods by Road and Rail.

16: Other Information

Prepared By

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Date of Previous Issue

October 2019

Changes Made

Complete GHS review.

References

Australian Dangerous Goods Code.

Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice July 2020.

Standard for the Uniform Scheduling of Medicines & Poisons (SUSMP).

Globally Harmonised System of Classification and Labelling of Chemicals (GHS) (Rev.7 2017)

Contact Person/Point

Australia 24 HOUR EMERGENCY CONTACT

Poisons Information Centre 13 11 26

Legal Disclaimer

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.

END OF SAFETY DATA SHEET