

MDA

1: Identification of the material and supplier

Names

Product Name: MDA
Other Name: Phosphoric acid solution
Supplier: Chemform Pty Ltd (ABN: 50 008 905 119)
7 Kirke Street, Balcatta, WA 6021
Phone (08) 9344 2455 Fax: (08) 9344 4360 Email: admin@chemform.com.au
Emergency Telephone: Poisons Information Centre (Australia) 13 1126
Recommended Use: Descaler for interior of dishwashers

2. Hazards identification

Statement of Hazardous Dangerous Nature: Classified as hazardous according to the criteria of NOHSC and classified as dangerous goods according to Australian Dangerous Goods Code.

Risk Phrase: R34 Causes burns
Safety Phrases: S1/2 Keep locked up and out of reach of children.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S45 In case of accident or if you feel unwell, seek medical advice immediately.

3. Composition/information on ingredients

INGREDIENT	CAS NUMBER	PROPORTION
Phosphoric Acid	7664-38-2	Greater than 60%
Non hazardous ingredients		Less than 10%
Water		Remainder

4. First aid measures

Ingestion: If swallowed, do NOT induce vomiting. If person is conscious, rinse mouth thoroughly with water immediately and give water or milk to drink. Seek urgent medical attention.
Eyes : Hold eyelids apart and flush the eye continuously with running water for at least 15 minutes. Seek urgent medical assistance.
Skin : If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.
Inhaled : Remove victim from exposure. Seek urgent medical assistance.
Long Term Effects: None known
Advice to Doctor: Treat symptomatically as for strong acids. The symptoms of lung oedema often does not become manifest until a few hours have past. Rest and medical observation are essential.
First Aid Facilities: Eye wash station, fresh water

5. Fire fighting measures

General Comment: The product is non flammable and non combustible.
Hazards from Combustion Products: None known
Specific Hazards: The product may react with many metals to generate hydrogen, a highly flammable gas.
Hazchem Code: 2R

6. Accidental release measures

Spills and Disposal: Wash spill with copious quantities of water.

7. Handling and Storage

Precautions for safe handling Measure, dispense and carry product only in plastic containers.

Storage: Always replace lid on container after use.

Hygiene Measures: Wash hands after handling the product, before eating smoking and using the lavatory and at the end of work.

8. Exposure controls – Personal protection

National Exposure Standards TWA of 1mg/m³ as phosphoric acid

Engineering Controls: Use in a well ventilated area. Avoid generation and inhalation of mists.

Personal Protection:

Eyes: Safety goggles and full face shield.

Hands: Neoprene, nitrite rubber or natural rubber gloves.

Skin: Neoprene, nitrite rubber or natural rubber boots and apron.

9.. Physical and chemical properties

Appearance:	Yellow liquid
Odour:	Slight
pH (Undiluted):	1.3
Vapour Pressure:	Not known
Vapour Density:	Not known
Boiling Point:	100-160°C
Melting Point:	Not known
Solubility:	Completely soluble in water in all proportion
Specific Gravity:	1.3
Flash Point:	Not applicable

10. Stability and reactivity

Chemical Stability: The product is stable under normal conditions.

Conditions to Avoid: None known.

Incompatible Materials: Corrosive to many metals producing highly flammable hydrogen gas.

Hazardous Reaction: Reacts violently with caustic materials liberating excessive heat. Reacts with chlorine containing products to liberate very toxic gas.

11. Toxicological Information

Toxicology Information: Oral LD50(rat) 1530mg/m³

Ingestion (acute): Corrosive to mouth, throat, gullet and stomach.

Eye (acute): Corrosive to eyes. Contact with eyes can result in permanent injury.

Skin (acute): Corrosive.

Inhalation (acute): Sprays or mists may lead to lung damage including pulmonary oedema and emphysema.

Chronic Effects (acute): Not known.

12. Ecological Information

Environmental Protection This substance may be hazardous to the environment.

13. Disposal considerations

Disposal Methods: Tanks containing this product must not be discharged into the environment. Disposal of this product and solutions of the product should at all times comply with requirements of environmental protection and waste disposal legislation as well as requirements by local authorities. Dispose of via licensed waste disposal carriers.

14. Transport Information

UN Number: 1805
UN Proper Shipping Name: Phosphoric acid solution
Class: 8
Subsidiary Risk: None allocated
Packing Group: III
Special Precautions For users: Ensure all containers are clearly labeled. Keep containers securely sealed and protected against physical damage. Use only plastic containers. Store away from caustic material.
Hazchem Code: 2R
IERG Number: 37

15. Regulatory Information

Packaging & Labelling: This product contains 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: Jason Domenech
Date of Previous Issue: October 2008
Change Made: Change to physical characteristics and packing group
References: Australian Dangerous Goods Code
List of Designated Hazardous Substances
National Code of Practice for the Preparation of Material Safety Data Sheets
Standard for the Union Scheduling of Drugs and Poisons
Contact Person/Point: Australia:
24 HOUR EMERGENCY CONTACT
Poisons Information Centre (Australia) 13 1126

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