

## MA-26

### 1: Identification of the material and supplier

#### Names

Product Name: MA-26  
 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](mailto:admin@chemform.com.au)  
 Emergency Telephone: Poisons Information Centre (Australia) 13 1126  
 Recommended Use: Deruster for ferrous metals

### 2. Hazards identification

**Statement of Hazardous/ Dangerous Nature:** Classified as hazardous according to the criteria of Safe Work Australia and classified as dangerous goods according to Australian Dangerous Goods Code.

**Hazard Classification:** C Corrosive

**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	30-60%
Non hazardous ingredients		To 100%

### 4. First aid measures

**Ingestion:** If swallowed, do NOT induce vomiting. If person is conscious, rinse mouth thoroughly with water immediately and give water 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

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

## 6. Accidental release measures

<b>Spills and Disposal:</b>	Neutralize spilled product with lime or soda. Soak up using absorbent material such as sand or soil.
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## 7. Handling and Storage

<b>Precautions for safe handling</b>	Measure, dispense and carry product only in plastic containers.
<b>Storage:</b>	Always replace lid on container after use.
<b>Hygiene Measures:</b>	Wash hands after handling the product, before eating smoking and using the lavatory and at the end of work.

## 8. Exposure controls – Personal protection

<b>National Exposure Standards</b>	TWA of 1mg/m <sup>3</sup> as phosphoric acid
<b>Engineering Controls:</b>	Use in a well ventilated area. Avoid generation and inhalation of mists.
<b>Personal Protection:</b>	
<b>Eyes:</b>	Safety goggles and full face shield.
<b>Hands:</b>	Neoprene, nitrile rubber or natural rubber gloves.
<b>Skin:</b>	Neoprene, nitrile rubber or natural rubber boots and apron.

## 9.. Physical and chemical properties

<b>Appearance:</b>	Yellow liquid
<b>Odour:</b>	Slight
<b>pH (Undiluted):</b>	0.5
<b>Vapour Pressure:</b>	Not known
<b>Vapour Density:</b>	Not known
<b>Boiling Point:</b>	100-160°C
<b>Melting Point:</b>	Not known
<b>Solubility:</b>	Completely soluble in water in all proportion
<b>Specific Gravity:</b>	1.2-1.3
<b>Flash Point:</b>	Not applicable

## 10. Stability and reactivity

<b>Chemical Stability:</b>	The product is stable under normal conditions.
<b>Conditions to Avoid:</b>	Avoid excessive heat, direct sunlight, moisture, freezing, static charges and high temperatures
<b>Incompatible Materials:</b>	Corrosive to many metals producing highly flammable hydrogen gas.
<b>Hazardous Reaction:</b>	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/m<sup>3</sup>  
**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 odema 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 Class:** Phosphoric acid solution  
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**Subsidiary Risk:** None allocated  
**Packing Group:** III  
**Special Precautions** Ensure all containers are clearly labeled. Keep containers securely sealed and protected against physical damage. Use only plastic containers. Store away from caustic material.  
**For users:**  
**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:** Brett Amos  
**Date of Previous Issue:** January 2006  
**Change Made:** Full review  
**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**