

Safety Data Sheet



MA-33

1: Identification of the material and supplier

Names

Product Name: MA-33
Other Name: Sulphuric 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: For neutralizing caustic waste prior to removal by approved licensed control waste carrier.

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: R35 Causes severe 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
Sulphuric Acid	7664-93-9	30-60%
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: Under extreme heat the product decomposes emitting oxides of sulphur.
Specific Hazards: The product may react with most metals to generate hydrogen, a highly flammable gas.
Hazchem Code: 2P

6. Accidental release measures

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

7. Handling and Storage

Handling: This product is used to neutralize caustic waste, this task should be undertaken only by trained personnel.
Measure, dispense and carry product only in plastic containers. .

Storage: Always replace lid on container after use.

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

Ensure emergency safety shower is located close to work station location and that emergency safety shower is hooked up to alarm system so other workers are made aware and can assist in emergency.

8. Exposure controls – Personal protection

National Exposure Standards TWA of $1\text{mg}/\text{m}^3$ as sulphuric 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, nitrile rubber or natural rubber gloves.

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

9. Physical and chemical properties

Appearance: Clear liquid
Odour: Slight
pH (Undiluted): 0.5
Vapour Pressure: 2.9mm of mercury at 20°C
Vapour Density: Not available
Boiling Point: 140°C
Melting Point: -8°C
Solubility: Completely soluble in water in all proportion
Specific Gravity: 1.5
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 most metals producing highly flammable hydrogen gas.

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

11. Toxicological Information

Toxicology Information:

- 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: This product is designed specifically for neutralizing immersion baths containing caustic material or alkali. This very hazardous task must be undertaken by trained personnel and the resulting solution removed from site by licensed control waste carriers. 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. All product containers can be returned to the supplier for recycling.

14. Transport Information

UN Number: 1830
UN Proper Shipping Name: Sulphuric acid with more than 51% acid
Class: 8
Subsidiary Risk: None allocated
Packing Group: II
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: 2P
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: Dr Guy Vinciguerra

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Change Made: Modified UN number and HAZCHEM code to reflect ADG Code 6th Edition

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