

MACC - ALUMINIUM CUTTING FLUID

MATERIAL SAFETY DATA SHEET

MSDS No:		
Product Name:	MACC ALUMINIUM CUTTING FLUID	INDUSTRIAL TOOL & MACHINERY SALES
Manufacturers Code:	MF-5LITRE, MF-20LITRE	18 Business St, Yatala, Queensland, 4207
Date:	November 2011	ABN: 30 010 772 068 P: (07) 3287 1114

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	MACC ALUMINIUM CUTTING FLUID
Company Name:	INDUSTRIAL TOOL & MACHINERY SALES
Address:	18 Business St, Yatala, Queensland, 4207
Telephone/Fax:	P: (07) 3287 1114 Poisons Information Centre 131126 (AH) Fax: (03) 9335 2598
Recommended Use:	Water soluble. For cutting, drilling, machining aluminium. Non staining.

2. HAZARDS IDENTIFICATION

Statement of Hazardous/Dangerous Nature:	HAZARDOUS SUBSTANCE NON-DANGEROUS GOODS Classified as a Hazardous Substance according to the criteria of NOHSC Australia. Classified as Non-Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code)
UN No:	Non Allocated
Hazchem Code:	Non Allocated

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity	CAS No	%
Triethanolamine	1027-1-6	1 - 5

4. FIRST AID MEASURES

Poison Information Centres (131126) in each State Capital City can provide additional assistance for scheduled poisons.

Ingestion:	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth an unconscious person. If potentially dangerous quantities of this material have been swallowed, call a physician immediately. Get medical attention if symptoms occur.
Eye:	In case of contact, immediately flush eyes with copious amounts of clean water for at least 15 minutes or until all contaminants are washed out completely. If irritation persists seek medical attention.
Skin:	Flush contaminated skin with copious amounts of clean water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. If irritation develops seek medical attention.
Inhaled:	Remove the source of contamination and move the affected person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. If the victim is not breathing, apply artificial resuscitation and seek urgent medical attention. In serious cases of over-exposure, seek immediate medical attention.
First Aid Facilities:	Normal washroom facilities are generally suitable. It is recommended that an eyewash station be available and ready for use.
Advice to Doctor:	Treat symptomatically.

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5. FIRE FIGHTING MEASURES

Flash Point:	Water content interferes with flash point determination.
Fire/Explosion Hazards:	In a fire or if heated, a pressure increase will occur and the container may burst.
Suitable Extinguishing Media:	Use an extinguishing agent suitable for the surrounding fire. Do not use water jet.
Fire Fighting Procedures:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire.
Protective Equipment for Fire Fighters:	Fire Fighters should wear full protective equipment and Self-Contained Breathing Apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Hazardous Combustion Products:	Combustion products may include the following: Carbon Oxides (CO, CO ₂) (carbon Monoxide, Carbon Dioxide) Nitrogen Oxides (NO, NO ₂ etc)

6. ACCIDENTAL RELEASE MEASURES:

Spills:	Large Spills: Spillages are slippery. Avoid accidents, clean up immediately. Personnel involved in cleaning up any spills are to wear protective equipment to prevent skin and eye contamination and inhalation of vapours. Cordon off the spillage area. Isolate the source of the spillage or leak if safe to do so. Contain and collect spillage with non-combustible material e.g. sand, soil, vermiculite or diatomaceous earth. Prevent run off into drains, sewers and waterways. Advise local authorities immediately if release into sewer and/or waterways is expected to have occurred. Place waste in sealed properly labelled containers ready for disposal. Dispose of via a licensed waste disposal contractor. Rinse the area clean with detergent and excess water. Small Spills: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Disposal:	Dispose of in accordance to Federal, EPA, State and Local Regulations. Disposal into sewer system is not permitted.

7. HANDLING AND STORAGE

Handling:	Repeated or prolonged exposure to the material without personal protection should be avoided in order to lessen the possibility of disorders. Maintain good standards of personal hygiene i.e. washing hands prior to eating, drinking, smoking or using the toilet facilities. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep containers closed when not in use.
Storage:	Store in accordance with local regulations. Store away from direct sunlight in a dry, cool and well ventilated area, away from incompatible materials (see section 10). Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Inspect regularly for deficiencies such as damage or leaks.
Other Information:	DO NOT ADD NITRITES TO THIS FLUID.

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8. EXPOSURE CONTROL

Occupational Exposure Limits:	No value assigned for this specific material by the National Occupational Health and Safety Commission. However, Exposure Standard for ingredient: Triethanolamine: TWA: 5 mg/m ³ 8 hour(s) As with all chemicals, exposure should be kept to the lowest possible levels. As published by the National Occupational Health and Safety Commission (NOHSC): TWA - the Time-Weighted Average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.
Biological Limit:	No biological limit allocated.
Control Measures:	Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
Respiratory Protection:	If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used suitable for protecting against airborne contaminants. Final choice of appropriate breathing protection is dependant upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.
Eye Protection:	Safety glasses with side shields, goggles or full-face shield as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standards AS/NZS 1337 – Eye Protectors for Industrial Applications.
Hand Protection:	Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1 – Occupational Protective Gloves – Selection, Use and Maintenance.
Body Protection:	Suitable protective work wear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant plastic apron is recommended where large quantities are handled.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Colour	Transparent Yellow
Odour:	Mild
Flash Point:	Water content interferes with flash point determination
Density:	1067 kg/m ³ (1.067 g/cm ³) at 15.6°C
pH:	7.4 [Conc. (% w/w): 5%]
Solubility	Soluble in water

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10. STABILITY AND REACTIVITY

Stability and Reactivity:	The product is stable.
Possibility of Hazardous Reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to Avoid:	Not available.
Incompatibility with Various Substances:	Reactive or incompatible with the following materials: oxidizing materials.
Hazardous Decomposition Products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hazardous Polymerization:	Under normal conditions of storage and use, hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information:	No toxicity data is available for this specific product. Contains material that may cause target organ damage, based on animal data. Target Organs : kidneys, liver.
Other Information:	Alkanolamine: This product contains an alkanolamine. In all metalworking fluids containing amines, there is a potential for forming nitrosamines which are animal carcinogens. Therefore, no nitrites or related nitrosating agents should be added to such compositions.
Acute Effects:	
Ingestion:	Ingestion may cause gastrointestinal irritation and diarrhoea.
Eye:	May cause eye irritation.
Skin:	May cause skin irritation.
Inhalation:	May cause respiratory tract irritation.
Potential Chronic Health Effects:	
Carcinogenicity:	No known significant effects or critical hazards.

12. ECOLOGICAL INFORMATION

Ecotoxicity:	No ecological data is available for this specific product.
Persistence / Degradability:	Not available.
Mobility:	Not available.
Bioaccumulative Potential:	Not available.
Environmental Protection:	Avoid contaminating waterways. Do not discharge the product into sewers or any body of waterway.

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13. DISPOSAL CONSIDERATIONS

Waste Information: The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

14. TRANSPORT INFORMATION

Transport Information: Classified as Non-Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code). Refer to relevant regulations for storage and transport requirements.

15. REGULATORY INFORMATION

Poisons Schedule: Not Scheduled

AICS (Australia): All ingredients are listed in the Australian Inventory of Chemical Substances (AICS)

16. OTHER INFORMATION

Contact Person/Point: Technical Information: (03) 9338 6655.

Date of Preparation or last revision of MSDS: MSDS reviewed: 7 November 2011

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user must review this MSDS in the context of how the product will be handled in the workplace and in conjunction with other materials. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

END OF MSDS