

# MACC ALUMINIUM CUTTING OIL

## SAFETY DATA SHEET

Product Name:	MACC ALUMINIUM CUTTING FLUID	INDUSTRIAL TOOL & MACHINERY SALES
Manufacturers Code:	MF-5LITRE, MF-20LITRE	11 EASTERN SERVICE ROAD, STAPYLTON QLD 4207
		Ph: (07) 3287 1114 Fax: (07) 3287 1115
		Email: sales@industrialtool.com.au
Date:	September 2020	Web: www.industrialtool.com.au

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<b>Product Name</b>	MACC ALUMINIUM CUTTING FLUID
<b>Company Name</b>	INDUSTRIAL TOOL & MACHINERY SALES
<b>Address</b>	11 Eastern Service Road, Stapylton, QLD, 4207
<b>Telephone/Fax</b>	(07) 3287 1114 Poisons Information Centre 131126 (AH) Fax: (03) 9335 2598
<b>Recommended Use</b>	Water soluble. For cutting, drilling, machining aluminium. Non staining.

### 2. HAZARDS IDENTIFICATION

<b>Hazard Classification</b>	HAZARDOUS SUBSTANCE NON-DANGEROUS GOODS Hazard classification according to the criteria of NOHSC and GHS. Dangerous goods classification according to Australian Dangerous Goods Code.
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<b>GHS Classification(s)</b>	Eye Irritation: Category 2A Skin Irritation: Category 2 Specific Target Organ Toxicity (Single Exposure) - Category 3
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#### GHS Label Elements

**Signal Word** WARNING

**Symbols**



<b>Hazard Statements</b>	H315: Causes skin irritation H319: Causes serious eye irritation H335: May cause respiratory irritation
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#### Precautionary Statements

<b>Prevention</b>	P280: Wear eye or face protection. P264: Wash hands thoroughly after handling.
<b>Response</b>	P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313: If eye irritation persists: Get medical attention. P302+P352: IF ON SKIN: Wash with plenty of water.
<b>Storage</b>	P403+P233: Store in a well ventilated place. Keep container tightly closed.
<b>Disposal</b>	P501: Dispose of contents/container in accordance to Federal, EPA, State and Local Regulations.

#### Other Hazards which do not Result in Classification

Defatting of the skin.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity	CAS No	%
Triethanolamine	102-71-6	1 - 5

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#### 4. FIRST AID MEASURES

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

<b>Ingestion</b>	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.
<b>Eye</b>	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.
<b>Skin</b>	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.
<b>Inhaled</b>	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.
<b>First Aid Facilities</b>	Normal washroom facilities are generally suitable. It is recommended that an eyewash station be available and ready for use.
<b>Advice to Doctor</b>	Treat symptomatically.

#### 5. FIRE FIGHTING MEASURES

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

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### 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.

### 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<sup>3</sup> 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.

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**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

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

### 10. STABILITY AND REACTIVITY

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

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### 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.

### 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.

# AIR TOOL OIL

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### 15. REGULATORY INFORMATION

<b>Poisons Schedule</b>	Not Scheduled
<b>AICS (Australia)</b>	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 SDS** SDS reviewed: 3 September 2020

#### Abbreviations

<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists
<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road & Rail
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>CAS Number</b>	Chemical Abstracts Service Registry Number
<b>GHS</b>	Globally Harmonised System of Classification and Labelling
<b>HAZCHEM Code</b>	Emergency action code of numbers and letters which gives information to emergency services
<b>IATA</b>	International Air Transport Association
<b>IMDG</b>	International Maritime Dangerous Goods
<b>mg/m<sup>3</sup></b>	Milligrams per Cubic Metre
<b>NOHSC</b>	National Occupational Health and Safety Commission
<b>ppm</b>	Parts Per Million
<b>SDS</b>	Safety Data Sheet
<b>STEL</b>	Short Term Exposure Limit
<b>SUSMP</b>	Standard for the Uniform Scheduling of Medicines and Poisons
<b>TWA</b>	Time Weighted Average

*This SDS 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 SDS in the context of how the product will be handled in the workplace and in conjunction with other materials. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The Company accepts no responsibility for any injury, loss or damage, resulting from abnormal use of the material, or from any failure to adhere to recommendations. 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 SDS