



SAFETY DATA SHEET

Revision Date 09-21-2019

Version 4

SECTION 1: IDENTIFICATION

Product identifier

Product Code(s) 53600028-M
Product Name MACHINE TOOL CLEANER AU

Other means of identification

UN Number Not available

Recommended use of the chemical and restrictions on use

Recommended Use Cleaner
Uses advised against Any other purpose.

Suppliers name, address and phone number

Manufacturer, Importer, Supplier

Houghton Australia Pty. Ltd.
287 Wickham Road
Moorabbin, Victoria
Australia, 3189
+61 1300 736 642

Emergency telephone number

For further information, please contact: ProductStewardship@houghtonintl.com

Emergency Telephone 3E Company (+)1 760 476 3960 (Code 333938)
Australia: (+)61 1 800 686 951
Australia (+)61 280 363 166
New Zealand: (+)64 800 451719

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification

Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 1 - (H318)

Label elements

Corrosion



Signal word
DANGER

Hazard statements

H315 - Causes skin irritation

H318 - Causes serious eye damage

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves/eye protection/face protection

Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Immediately call a POISON CENTER or doctor/physician

Skin

IF ON SKIN: Wash with plenty of soap and water

If skin irritation occurs: Get medical advice/attention

Take off contaminated clothing and wash before reuse

Other hazards

Harmful to aquatic life with long lasting effects

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture. Health hazard information is based on its ingredients

Chemical name	CAS No	Weight-%
(2-Methoxymethylethoxy)propanol	34590-94-8	2.5% - 10%
Coconut oil, reaction products with diethanolamine	8051-30-7	2.5% - 10%
Kerosine (petroleum)	8008-20-6	2.5% - 10%
2,2'-Iminodiethanol	111-42-2	2.5% - 10%
Nonylphenol, branched, ethoxylated (>=5 EO <8 EO)	68412-54-4	2.5% - 10%
2,2',2''-Nitrilotriethanol	102-71-6	1% - 2.5%
Alcohol, C10-12, ethoxylated, propoxylated	68154-97-2	1% - 2.5%
Terpineol	8000-41-7	0% - 1%

The remaining composition is a mixture of non-classified ingredients or additives below the threshold for disclosure

SECTION 4: FIRST AID MEASURES

Description of first aid measures

General advice

Do not get in eyes, on skin, or on clothing. Immediate medical attention is required.

Inhalation

Remove to fresh air.

Skin contact

Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician.

Eye contact

Keep eye wide open while rinsing. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Do not rub affected area. Seek immediate medical attention/advice.

Ingestion

Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting

without medical advice.

Protection of First-aiders Use personal protective equipment. Avoid contact with skin, eyes and clothing.

Most important symptoms and effects, both acute and delayed

Symptoms Redness. Rash. Itching. Eye damage/irritation.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing media

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which shall not be used for safety reasons

None

Specific hazards arising from the chemical

Water runoff can cause environmental damage

Hazardous decomposition products

None under normal use

Special protective equipment and precautions for fire fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing.

For emergency responders Use personal protection recommended in Section 8.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place.

Recommended Shelf Life

Shelf life 12 months

Incompatible materials

None known based on information supplied.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters**

Chemical name	Australia	New Zealand	New Zealand - Biological Exposure Indices (BEI)
(2-Methoxymethylethoxy)propanol	TWA: 50 ppm TWA: 308 mg/m ³ (s)	TWA: 100 ppm TWA: 606 mg/m ³ STEL: 150 ppm STEL: 909 mg/m ³ (s)	
Kerosine (petroleum)		TWA: 5 mg/m ³ STEL: 10 mg/m ³	
2,2'-Iminodiethanol	TWA: 3 ppm TWA: 13 mg/m ³	TWA: 3 ppm TWA: 13 mg/m ³ (s)	
2,2',2''-Nitrilotriethanol	TWA: 5 mg/m ³ (+)	TWA: 5 mg/m ³	

Appropriate engineering controls**Engineering controls**

Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment**Eye/face protection**

If splashes are likely to occur, wear: Face-shield.

Skin and body protection

Wear protective gloves/clothing.

Respiratory protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Environmental exposure controls

No information available.

Hygiene measures

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice. Regular cleaning of equipment, work area and clothing is recommended.

Thermal hazards

None under normal use conditions.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Physical state	liquid	Appearance	light yellow
Odor	Mild	Odor threshold	Not Determined

<u>Property</u>	<u>Values</u>	<u>Remarks</u>
pH	~ 9.0	
Melting point / freezing point	Not Determined	
Boiling point / boiling range	Not Determined	
Flash point	Not Determined	
Evaporation rate	Not Determined	
Flammability (solid, gas)	Not Determined	
Flammability Limit in Air		
Upper flammability limit:	Not Determined	
Lower flammability limit:	Not Determined	
Vapor pressure	Not Determined	
Vapor density	Not Determined	
Relative density	1.002	
Solubility(ies)	Soluble in water	
Partition coefficient	Not Determined	
Autoignition temperature	Not Determined	
Decomposition temperature	Not Determined	
Kinematic viscosity	Not Determined	
Explosive properties	Not applicable	
Oxidizing Properties	Not applicable	
<u>Other Information</u>		
Viscosity, kinematic (100°C)	Not Determined	
Pour Point	Not Determined	
VOC Content (ASTM E-1868-10)	Not Determined	
VOC content	Not Determined	

SECTION 10: STABILITY AND REACTIVITY

Reactivity

None under normal use conditions.

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to avoid

None known based on information supplied.

Incompatible materials

None known based on information supplied.

Hazardous decomposition products

None known based on information supplied.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity

Information on likely routes of exposure

Product Information - Principle Routes of Exposure

Inhalation	Based on available data, the classification criteria are not met.
Eye contact	May result in permanent damage including blindness.
Skin contact	Irritating to skin.
Ingestion	Based on available data, the classification criteria are not met
Symptoms	Moderate skin irritation. Corrosive - causes irreversible eye damage.

Numerical measures of toxicity - Product Information

ATEmix (oral) 16,087.00 mg/kg

Acute toxicity - Product Information

Product does not present an acute toxicity hazard based on known information

Acute toxicity - Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
(2-Methoxymethylethoxy)propanol	5230 mg/kg (Rat)	= 9500 mg/kg (Rabbit)	
Coconut oil, reaction products with diethanolamine	> 2000 mg/kg (Rat)		
Kerosine (petroleum)	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.28 mg/L (Rat) 4 h
2,2'-Iminodiethanol	1100 mg/kg (Rat)		
2,2',2''-Nitrilotriethanol		> 16 mL/kg (Rat) > 2000 mg/kg (Rabbit)	
Alcohol, C10-12, ethoxylated, propoxylated	950 mg/kg (Rat)		
Terpineol	>2000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	Irritating to skin.
Serious eye damage/eye irritation	Causes severe eye damage.
Respiratory or skin sensitization	Based on available data, the classification criteria are not met.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.
Reproductive toxicity	Based on available data, the classification criteria are not met.
Specific target organ systemic toxicity (single exposure)	Based on available data, the classification criteria are not met.
Specific target organ systemic toxicity (repeated exposure)	Based on available data, the classification criteria are not met.
Aspiration hazard	Based on available data, the classification criteria are not met.
Exposure levels	See section 8 for more information
Interactive effects	None known

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Crustacea
(2-Methoxymethylethoxy)propanol	>969: 72 h Selenastrum Capricornutum mg/L EC50	>10000: 96 h Pimephales promelas mg/L LC50 static	1919: 48 h Daphnia magna mg/L EC50
Coconut oil, reaction products with diethanolamine	2.3: 96 h Scenedesmus acutus mg/L EC50	5.4: 96 h Brachydanio rerio mg/L LC50	5.4: 24 h Daphnia magna mg/L EC50
2,2'-Iminodiethanol	2.2: 96 h Pseudokirchnerella subcapitata mg/L EC50	1370 - 1550: 96 h Pimephales promelas mg/L LC50	30.1 - 89.9: 48 h Daphnia magna mg/L EC50
Nonylphenol, branched, ethoxylated (>=5 EO <8 EO)		1.2 - 9.3: 96 h Pimephales promelas mg/L LC50	1.6 - 10: 48 h Daphnia magna mg/L EC50
2,2',2''-Nitrilotriethanol	216: 72 h Desmodemus subspicatus mg/L EC50 169: 96 h Desmodemus subspicatus mg/L EC50	10600-13000: 96 h Pimephales promelas mg/L LC50 flow-through 1000: 96 h Pimephales promelas mg/L LC50 static 450-1000: 96 h Lepomis macrochirus mg/L LC50 static	1386: 24 h Daphnia magna mg/L EC50
Alcohol, C10-12, ethoxylated, propoxylated	12: 48 h Daphnia magna mg/L EC50	1 - 10: 96 h leuciscus idus mg/L LC50	
Terpineol		6.1: 96 h Danio rerio mg/L LC50	5.18: 48 h Daphnia magna mg/L EC50

Persistence and degradability

No information available

Bioaccumulative potential

Chemical name	Partition coefficient
(2-Methoxymethylethoxy)propanol	-0.35
2,2'-Iminodiethanol	-2.18
Nonylphenol, branched, ethoxylated (>=5 EO <8 EO)	4.5
2,2',2''-Nitrilotriethanol	-2.53

Mobility

Will likely be mobile in the environment due to its water solubility Miscible with water

Other adverse effects

No information available

SECTION 13: DISPOSAL CONSIDERATIONS

Safe handling and disposal methods

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Disposal of any contaminated packaging

Do not reuse empty containers.

Environmental regulations

No information available

SECTION 14: TRANSPORT INFORMATION

ADG	Not Regulated
IMDG	Not Regulated
IATA	Not Regulated

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

Australia

See section 8 for national exposure control parameters

Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)

Classified as a scheduled poison according to the Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)

Poison Schedule Number 6

New Zealand

HSNO Hazard Classification:

- 6.3A - Substances that are irritating to the skin
- 8.3A - Substances that are corrosive to ocular tissue
- 9.1C - Substances that are harmful in the aquatic environment

HSNO Approval Number:

HSNO Approval Number: HSR002530

HSNO Group Standard: Cleaning Products (Subsidiary hazard) GROUP STANDARD 2017.

International Inventories

Inventory information may be utilizing alternative CAS#s or exemptions beyond those stated within this document For further information, please contact: ProductStewardship@houghtonintl.com

TSCA	Complies
DSL	Complies
AICS	Complies
PICCS	Complies
KECL	Does not Comply
IECSC	Complies
ENCS	Does not Comply
TCSI	Complies
NZIoC	Complies

Legend:

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- AICS** - Australian Inventory of Chemical Substances
- PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- KECL** - Korean Existing and Evaluated Chemical Substances
- IECSC** - China Inventory of Existing Chemical Substances

ENCS - Japan Existing and New Chemical Substances
TCSI - Taiwan National Existing Chemical Inventory
NZIoC - New Zealand Inventory of Chemicals

International Regulations

Ozone-depleting substances (ODS) Not applicable

Persistent Organic Pollutants Not applicable

Chemicals Subject to Prior Informed Consent (PIC) Not applicable

Other Information

Not applicable

SECTION 16: OTHER INFORMATION

Revision Date 09-21-2019
Revision Note This SDS has been revised in the following section(s), Company Logo.

Key or legend to abbreviations and acronyms used in the safety data sheet

TWA	Time weighted average	STEL	Short term exposure limit
Ceiling	Maximum limit value:	(s) - Skin	Skin designation
+	Sensitizers	C	Carcinogen
STOT SE - Specific target organ systemic toxicity (Single exposure)			
STOT RE - Specific target organ systemic toxicity (repeated exposure)			
VOC - Volatile organic compounds			

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet