





# SAFETY DATA SHEET

Revision Date 09-21-2019

Version 2

## SECTION 1: IDENTIFICATION

### Product identifier

Product Code(s) 42867767-M  
Product Name HOCUT 767 B-AU

### Other means of identification

UN Number UN2491

### Recommended use of the chemical and restrictions on use

Recommended Use Metalworking fluid  
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](mailto: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

Corrosive to Metals	Category 1 - (H290)
Skin corrosion/irritation	Category 1 Sub-category B - (H314)
Serious eye damage/eye irritation	Category 1 - (H318)
Specific target organ toxicity (single exposure)	Category 3 - (H335)

### Label elements

Exclamation mark  
Corrosion



**Signal word**  
DANGER

**Hazard statements**

H290 - May be corrosive to metals  
H314 - Causes severe skin burns and eye damage  
H335 - May cause respiratory irritation

**Precautionary Statements - Prevention**

Do not breathe dust/fume/gas/mist/vapors/spray  
Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves/protective clothing/eye protection/face protection  
Use only outdoors or in a well-ventilated area  
Keep only in original container

**Precautionary Statements - Response**

Immediately call a POISON CENTER or doctor/physician

**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 (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
Wash contaminated clothing before reuse

**Inhalation**

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
Immediately call a POISON CENTER or doctor/physician  
Call a POISON CENTER or doctor/physician if you feel unwell

**Ingestion**

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

**Spill**

Absorb spillage to prevent material damage

**Precautionary Statements - Storage**

Store locked up  
Store in a well-ventilated place. Keep container tightly closed  
Store in corrosion resistant container with a resistant inner liner

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**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-%
Neutralised 2-Aminoethanol	141-43-5*	2.5% - 10%
2-Aminoethanol	141-43-5	2.5% - 10%
Neutralised boric acid	10043-35-3*	2.5% - 10%
Neutralised Propylidynetrimethanol, propoxylated, reaction products with ammonia	39423-51-3*	1% - 2.5%
Propylidynetrimethanol, propoxylated, reaction products with ammonia	39423-51-3	1% - 2.5%
2-Amino-2-methylpropanol	124-68-5	1% - 2.5%

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

<b>General advice</b>	Immediate medical attention is required. Do not get in eyes, on skin, or on clothing. Do not breathe dust/fume/gas/mist/vapors/spray. Remove from exposure, lie down.
<b>Inhalation</b>	Remove to fresh air.
<b>Skin contact</b>	IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. Immediate medical attention is required.
<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Seek immediate medical attention/advice.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice.
<b>Protection of First-aiders</b>	Use personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

### Most important symptoms and effects, both acute and delayed

**Symptoms** Causes burns. blistering. Breathing difficulties.

### 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**

#### **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.

**Hazchem emergency action code** •2X.

## 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. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

**For emergency responders** Use personal protection recommended in Section 8.

**Environmental precautions**

See Section 12 for additional Ecological Information.

**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. Remove and wash contaminated clothing before re-use. Ensure adequate ventilation. Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice.

**Conditions for safe storage, including any incompatibilities**

Keep container tightly closed in a dry and well-ventilated place. Store in original container or corrosive resistant and/or lined container.

**Recommended Shelf Life**

Shelf life 12 months

**Incompatible materials**

Strong acids. Strong bases. Strong oxidizing agents. Aluminium.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

Chemical name	Australia	New Zealand	New Zealand - Biological Exposure Indices (BEI)
2-Aminoethanol	TWA: 3 ppm TWA: 7.5 mg/m <sup>3</sup> STEL: 6 ppm STEL: 15 mg/m <sup>3</sup>	TWA: 3 ppm TWA: 7.5 mg/m <sup>3</sup> STEL: 6 ppm STEL: 15 mg/m <sup>3</sup>	

**Appropriate engineering controls**

**Engineering controls** Showers  
Eyewash stations  
Ventilation systems

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Tightly fitting safety goggles. 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.

<b>Environmental exposure controls</b>	No information available.
<b>Hygiene measures</b>	Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice.
<b>Thermal hazards</b>	None under normal use conditions.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical state</b>	liquid	<b>Appearance</b>	clear blue
<b>Odor</b>	Not Determined	<b>Odor threshold</b>	Not Determined

<u>Property</u>	<u>Values</u>	<u>Remarks</u>
pH	9.7	@5%
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	
<b>Flammability Limit in Air</b>		
Upper flammability limit:	Not Determined	
Lower flammability limit:	Not Determined	
Vapor pressure	Not Determined	
Vapor density	Not Determined	
Relative density	1.045	g/cm3 @15.5°C
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	

### Other Information

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**

Strong acids. Strong bases. Strong oxidizing agents. Aluminium.

**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**

<b>Inhalation</b>	Irritating to respiratory system.
<b>Eye contact</b>	May result in permanent damage including blindness.
<b>Skin contact</b>	Corrosive.
<b>Ingestion</b>	Ingestion causes burns of the upper digestive and respiratory tracts.

**Symptoms** Causes burns. May result in permanent damage including blindness. Signs and symptoms may include coughing, gasping, choking and difficulty breathing.

**Numerical measures of toxicity - Product Information**

<b>ATEmix (oral)</b>	6,259.00 mg/kg
<b>ATEmix (dermal)</b>	6,738.00 mg/kg
<b>ATEmix (inhalation-dust/mist)</b>	14.00 mg/l

**Acute toxicity - Product Information**

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

**Acute toxicity - Component Information**

<b>Chemical name</b>	<b>Oral LD50</b>	<b>Dermal LD50</b>	<b>Inhalation LC50</b>
Neutralised 2-Aminoethanol	1720 mg/kg ( Rat )	= 1 mL/kg ( Rabbit ) = 1025 mg/kg ( Rabbit )	
2-Aminoethanol	1720 mg/kg ( Rat )	= 1 mL/kg ( Rabbit ) = 1025 mg/kg ( Rabbit )	
Neutralised boric acid	3500 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 0.16 mg/L ( Rat ) 4 h
Neutralised Propylidynetrimehanol, propoxylated, reaction products with ammonia	550 mg/kg ( Rat )	>1000 mg/kg ( Rat )	
Propylidynetrimehanol, propoxylated, reaction products with ammonia	550 mg/kg ( Rat )	>1000 mg/kg ( Rat )	
2-Amino-2-methylpropanol	2900 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	

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

<b>Skin corrosion/irritation</b>	Corrosive. Category 1B.
<b>Serious eye damage/eye irritation</b>	Causes severe eye damage.
<b>Respiratory or skin sensitization</b>	Based on available data, the classification criteria are not met.

<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met.
<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met.
<b>Specific target organ systemic toxicity (single exposure)</b>	May cause irritation of respiratory tract.
<b>Specific target organ systemic toxicity (repeated exposure)</b>	Based on available data, the classification criteria are not met.
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met.
<b>Exposure levels</b>	See section 8 for more information
<b>Interactive effects</b>	None known

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity

Harmful to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Crustacea
Neutralised 2-Aminoethanol	2.8: 72 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50	227: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through 3684: 96 h <i>Brachydanio rerio</i> mg/L LC50 static 300 - 1000: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 114 - 196: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static 200: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 flow-through	65: 48 h <i>Daphnia magna</i> mg/L EC50
2-Aminoethanol	2.8: 72 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50	227: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through 3684: 96 h <i>Brachydanio rerio</i> mg/L LC50 static 300 - 1000: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 114 - 196: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static 200: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 flow-through	65: 48 h <i>Daphnia magna</i> mg/L EC50
Neutralised boric acid	>28: 72 h <i>Selenastrum capricornutum</i> mg/L EC50	1020: 72 h <i>Carassius auratus</i> mg/L LC50 flow-through 627: 96 h <i>Oncorhynchus tshawytscha</i> mg/L LC50	115 - 153: 48 h <i>Daphnia magna</i> mg/L EC50
Neutralised Propylidynetrimethanol, propoxylated, reaction products with ammonia			13: 48 h <i>Daphnia magna</i> mg/L EC50
Propylidynetrimethanol, propoxylated, reaction products with ammonia			13: 48 h <i>Daphnia magna</i> mg/L EC50
2-Amino-2-methylpropanol	520: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50	190: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static	193: 48 h <i>Daphnia magna</i> mg/L EC50

### Persistence and degradability

No information available



**Bioaccumulative potential**

Chemical name	Partition coefficient
Neutralised 2-Aminoethanol	-1.91
2-Aminoethanol	-1.91
Neutralised boric acid	-0.757
Neutralised Propylidynetrimethanol, propoxylated, reaction products with ammonia	-1.13
Propylidynetrimethanol, propoxylated, reaction products with ammonia	-1.13

**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**

UN Number	UN2491
Proper shipping name	ETHANOLAMINE SOLUTION
Hazard Class	8
Packing Group	III
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable
Special precautions for users	No information available
Hazchem emergency action code	•2X
Description	UN2491, ETHANOLAMINE SOLUTION, 8, III

**IMDG**

UN/ID no	UN2491
Proper shipping name	ETHANOLAMINE SOLUTION
Hazard Class	8
Packing Group	III
EmS-No	F-A, S-B
Vessel Stowage Location Code	A
Description	UN2491, ETHANOLAMINE SOLUTION, 8, III

**IATA**

UN/ID no	UN2491
Proper shipping name	ETHANOLAMINE SOLUTION

Hazard Class	8
Packing Group	III
ERG Code	8L
Description	UN2491, ETHANOLAMINE SOLUTION, 8, III

## 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

##### **Poison Schedule Exemption**

This product may qualify for an exemption under the terms of Part 5 of the the Poisons Standard

#### New Zealand

##### **HSNO Hazard Classification:**

Not Determined

##### **HSNO Approval Number:**

Not Determined

**HSNO Group Standard:** None.

#### 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](mailto:ProductStewardship@houghtonintl.com)

<b>TSCA</b>	Complies
<b>DSL</b>	Complies
<b>AICS</b>	Complies
<b>PICCS</b>	Does not Comply
<b>KECL</b>	Does not Comply
<b>IECSC</b>	Complies
<b>ENCS</b>	Complies
<b>TCSI</b>	Complies
<b>NZIoC</b>	Complies

#### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDL** - 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**