

## SAFETY DATA SHEET

EPOXY THINNERS

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Issued by: Alchemis Limited

**1. IDENTIFICATION****GHS Product Identifier**

Epoxy Floorcoat Thinners

**Product Code(s)**

AEPGTHN

**Company Name**

Alchemis Limited

**Address**

28C Andromeda Crescent, East Tamaki, Auckland 2013

**Telephone/Fax Number**

Telephone: +64 9 274 6652 Fax number: +64 9 274 6640

**Emergency phone number**

New Zealand Poison Centre 0800 764 766 (24H)

**E-mail Address**[compliance@alchemis.co.nz](mailto:compliance@alchemis.co.nz)**Recommended use of the chemical and restrictions on use**

Industrial application


**2. HAZARD IDENTIFICATION****GHS classification of the substance/mixture**

Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.

Classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2007 Transport of Dangerous Goods on Land.

HSNO CLASSIFICATION		GHS HAZARD STATEMENTS
3.1C		H226 Flammable liquid and vapour.
6.3B		H316 Causes mild skin irritation.
6.4A		H319 Causes serious eye irritation.
6.8A		H360 May damage fertility or the unborn child.
Signal Word:		DANGER
PREVENTION STATEMENTS		
P103	Read label before use.	
P201	Obtain special instructions before use.	
P202	Do not handle until all safety precautions have been read and understood.	
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.	
P233	Keep container tightly closed.	
P240	Ground/bond container and receiving equipment.	
P241	Use explosion-proof electrical/ventilating/lighting equipment.	
P242	Use only non-sparking tools.	
P243	Take precautionary measures against static discharge.	
P264	Wash thoroughly after handling.	
P280	Wear protective gloves/protective clothing/eye protection/face protection.	
RESPONSE STATEMENTS		
P370 + P378	In case of fire: Use foam, carbon dioxide or dry chemical powder for extinction.	

## SAFETY DATA SHEET

P303 + P361 + P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
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 advice/attention.
P308 + P313	IF exposed or concerned: Get medical advice/attention.
STORAGE STATEMENTS	
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
DISPOSAL STATEMENTS	
P501	Do not let this product enter the environment. Do not dispose of in waterways or sewers. Dispose of this material and its container as hazardous waste, via a licensed facility. See local council for disposal/recycling information.
GHS DIAMONDS	
	

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

## Ingredients

Name	CAS	Proportion - %w/w
Industrial Methylated Spirits	64-17-5 / 67-56-1	10-30
Methoxy Propyl Acetate	108-65-6	10-30
n-Methyl – 2- pyrrolidone	872-50-4	1-10
Ingredients determined not to be hazardous or below the hazardous threshold, including water		To 100%

## Preparation Description

Thinners

## 4. FIRST-AID MEASURES

## Inhalation

If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.

## Ingestion

Do not induce vomiting. Wash out mouth thoroughly with water. Seek medical attention.

## Skin

Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.

## Eye contact

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and/or persist seek medical attention.

## First Aid Facilities

Eyewash and normal washroom facilities.

## Advice to Doctor

# SAFETY DATA SHEET

Treat symptomatically.

## Other Information

For advice in an emergency, contact the National Poisons Centre (0800 764 766) or a doctor, at once.

## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Carbon dioxide, dry chemical, foam, water fog or water mist.

### Unsuitable Extinguishing Media

High volume water jet.

### Hazards from Combustion Products

Decomposition products may include:  
Oxides of carbon and nitrogen, and  
other noxious products.

### Specific Hazards Arising from The Chemical

In a fire or heated, a pressure increase will occur, and the container may burst.

### Decomposition Temperature

Not available

### Precautions in connection with Fire

Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. Fight fire from safe location.

## 6. ACCIDENTAL RELEASE MEASURES

### Emergency Procedures

Increase ventilation. If possible, contain the spill. Wear appropriate personal protective equipment and clothing to prevent exposure. Spillage can be slippery. Use spark-proof and explosion-proof equipment. Place inert absorbent material onto spillage. Collect the material and place into a suitable labelled container. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations. Dispose of waste according to the applicable local and national regulations.

## 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Use only in a well ventilated area. Keep containers tightly closed. Prevent the buildup of dusts, mists or vapours in the work atmosphere. Follow precautions listed in section 2 for handling flammable liquids. Maintain high standards of personal hygiene i.e. washing hands prior to eating, drinking, smoking or using toilet facilities.

### Conditions for safe storage, including any incompatibilities

Protect from freezing. Store in a cool, dry, well-ventilated area, out of direct sunlight. Store in suitable, labelled containers. Ensure that storage conditions comply with applicable local and national regulations.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational exposure limit values

NZ-WES

Ethanol CAS 64-17-5

TWA: 1000 ppm, 1880 mg/m<sup>3</sup>

Methanol CAS 67-56-1

TWA: 200 ppm, 262 mg/m<sup>3</sup>

STEL: 250 ppm, 328 mg/m<sup>3</sup>

EH WEL 2007

NMP CAS 872-50-4

TWA: 25 ppm, 103 mg/m<sup>3</sup>

STEL: 75 ppm, 309 mg/m<sup>3</sup>

### Biological Limit Values

No biological limits allocated.

# SAFETY DATA SHEET

**Appropriate Engineering Controls**

Use with good general ventilation. If mists or vapours are produced, local exhaust ventilation should be used.

**Respiratory Protection**

If engineering controls are not effective in controlling airborne exposure, then an approved respirator with a replaceable vapor/mist filter should be used. If engineering controls are not effective in controlling airborne exposure, then an approved respirator with a replaceable vapor/mist filter should be used. Reference should be made to Australia/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

**Eye Protection**

Safety glasses with side shields, chemical goggles or full-face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform to relevant regulations. Eye protection should conform with Australian/New Zealand Standard 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. Occupational protective gloves should conform to relevant regulations. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

**Body Protection**

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Form**

Liquid

**Colour**

Clear

**Odour**

Slight odour

**Decomposition Temperature**

Not available

**Melting Point**

Not available

**Boiling Point**

84°C

**Solubility in Water**

Dispersible

**Specific Gravity**

0.98

**pH when packed**

Not available

**Vapour Pressure**

Not available

**Vapour Density (Air=1)**

Not available

**Evaporation Rate**

Not available

# SAFETY DATA SHEET

**Odour Threshold**

Not available

**Partition Coefficient: n-octanol/water**

Not available

**Flash Point**

35°C

**Flammability**

Flammable liquid

**Auto-Ignition Temperature**

Not available

**Flammable Limits – Lower**

1.5% v/v

**Flammable Limits – Upper**

19.0% v/v

**Kinematic Viscosity**

Not available

**Dynamic Viscosity**

Not available

**Freeze thaw stability**

Stable

**10. STABILITY AND REACTIVITY****Reactivity**

Refer to Section 10: Possibility of hazardous reactions

**Chemical Stability**

Stable under normal conditions of storage and handling

**Conditions to Avoid**

Extremes of temperature and direct sunlight. Protect from freezing.

**Incompatible materials**

Strong oxidising agents. Strong acids and bases.

**Hazardous Decomposition Products**

Thermal decomposition may result in the release of toxic and/or irritating fumes.

**Possibility of hazardous reactions**

Not available

**Hazardous Polymerization**

Will not occur.

**11. TOXICOLOGICAL INFORMATION****Toxicology Information**

Calculated Acute Toxicity:

Oral: >5000 mg/kg

Dermal: >5000 mg/kg

**Ingestion**

Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

**Inhalation**

Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.

# SAFETY DATA SHEET

## Skin

May be irritating to skin. The symptoms may include redness, itching and swelling.

## Eye

May be irritating to eyes. The symptoms may include redness, itching and tearing.

## Chronic Effects

Prolonged or repeated skin contact may cause defatting leading to dermatitis.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Not Ecotoxic according to criteria of HSNO.

**Persistence and degradability:** Not available

**Mobility:** Not available

**Bioaccumulative Potential:** Not available

**Other Adverse Effects:** Not available

### Environmental Protection

Prevent this material entering waterways, drains and sewers.

## 13. DISPOSAL CONSIDERATIONS

### Disposal considerations

The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.

#### Product Disposal:

This product can be disposed through a licensed commercial waste collection service. Product wastes are controlled wastes and should be disposed of in accordance with all applicable local and national regulations. This is a water-based/water-soluble product and therefore can be sent through a Waste Water Treatment Plant and after treatment can be discharged into environment through the sewerage or drainage systems as authorized. Personal protective clothing and equipment as specified in Section 8 of this SDS must be worn during handling and disposal of this product. The ventilation requirements as specified in the same section must also be followed, and the precautions given in Section 7 of this SDS regarding handling must also be followed. Do not dispose into the sewerage system. Dispose of waste according to applicable local and national regulations. In New Zealand, the disposal agency or contractor must comply with the New Zealand Hazardous Substances (Disposal) Regulations 2001. Further details regarding disposal can be obtained on the ERMA New Zealand website under specific group standards.

Container Disposal: The container or packaging must be cleaned and rendered incapable of holding any substance. It can then be disposed of in a manner consistent with that of the substance it contained. In this instance the packaging can be disposed through a commercial waste collection service. Alternatively, the container or packaging can be recycled if the hazardous residues have been thoroughly cleaned or rendered non-hazardous. In New Zealand, the packaging (that may or may not hold any residual substance) that is lawfully disposed of by householders or other consumers through a public or commercial waste collection service is a means of compliance with regulations.

## 14. TRANSPORT INFORMATION

### Transport Information

Classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2007 Transport of Dangerous Goods on Land.

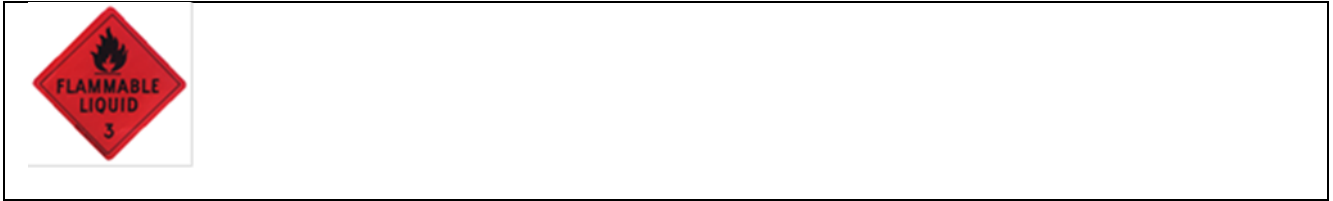
Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

#### Regulated for transport

UN Number:	1263
Proper Shipping Name:	Paint Related Material
Class:	3
Packing Group:	III
Hazchem:	3Y
Marine Pollutant:	No

## SAFETY DATA SHEET

**15. REGULATORY INFORMATION****Regulatory information**

Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.

HSNO Classification:	3.1C, 6.3B, 6.4A, 6.8A
Group Standard:	HSR002662 Surface Coatings & Colorants – Flammable
HSNO CONTROLS	
Level 2: MSDS required when any quantity is present in a workplace.	
At least 2 x 4.5kg powder fire extinguishers required when 500L is present in a workplace.	
Level 3: Emergency Response Plan and Secondary Containment required when >10,000L is present in a workplace	
Flammable signage required when >1000L is stored.	
Location and transit depot test certification required for quantities greater than: 500L (closed containers >5L), 1500L (closed containers up to 5L), 250L (open containers).	
Hazardous atmosphere zone required for quantities greater than: 100L (closed containers), 25L (decanting), 5L (open occasionally), 1L (open containers in continuous use).	
Approved Handler: Not required.	
Tracking: Not required.	
Any existing national regulations on the handling of dangerous substances should be observed. Controls for hazardous substances are based upon current knowledge. Where multiple chemicals are stored, controls will need to take into account aggregate quantities. Contact an EPA/WorkSafe approved test certifier for further information and guidance.	

**16. OTHER INFORMATION****Contact Person/Point**

IMPORTANT ADVICE: 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 should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including its use in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact the supplier listed in section 1 of the SDS. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.

**Technical Contact Numbers**

For further information, contact Alchemis Ltd on +64 9 274 6652, however, in emergencies contact 0800 734 607

END OF SDS