



Manufacturers of Industrial & Decorative Coatings

United Paints Limited  
P.O. Box 21 064  
29 Empire Road  
Bridgend  
Christchurch  
Telephone : (03) 323 8743  
Facsimile : (03) 323 7261

## SAFETY DATA SHEET

### UNIEPOXY INTERMEDIATE PART B

#### 1.0 Chemical Product and Company Identification

**Trade Name:** UNIEPOXY ALUMINIUM MASTIC B  
**Chemical Name:** INTERMEDIATE MASTIC 2 PACK EPOXY ( PART B )  
**Manufacturers Name:** United Paints  
**Address:** 29 Empire Rd, Belfast, Christchurch  
**Telephone:** (03) 323 8743  
**Facsimile:** (03) 323 7261  
**Date of Issue:** 26 JULY 2013

#### Emergency Contact Numbers

National Poison & Hazardous Chemicals Information Centre  
United Paints Limited – Director (Mr M.Davies)

0800 POISON  
(03) 359 3528 Home  
021 617 979 Mobile

#### 2.0 Hazards Identification

**HSNO APPROVAL CODE :** HSR002662

**HSNO CLASSIFICATIONS :** 3.1B , 6.1E , 6.9 , 6.9B , 8.1A , 8.2C , 8.3 A

**GHS CLASSIFICATIONS :** Acute Aquatic Hazard Category 2  
Aspiration Hazard Category 1  
Serious Eye Damage Category 1  
Flammable Liquid Category 2  
Skin Corrosion/Irritation Category 1C  
Metal Corrosion Category 1

#### 3.0 Composition / Information on Ingredients

Ingredient	CAS No.	% By Weight
Triethylenetetramine	112-24-3	1.0 - 20
Xylene	1330-20-7	10 - 30
N Butanol	71-36-3	10 - 30
Benzyl Alcohol	100-51-6	10 - 30

Christchurch  
(03) 323 8743

Auckland  
(09) 265 0032

Palmerston North  
021 682 151

## 4.0 First Aid Measures

- 4.1 Inhalation** Bring patient to fresh open air away from contaminated area. If not breathing or breathing difficult give oxygen. Apply CPR in cases of respiratory failure and seek medical assistance .
- 4.2 Skin Contact** Flush skin and hair with running water and soap if available . Remove contaminated clothing including footwear . Before reuse launder or replace .
- 4.3 Eye Contact** Flush with water lifting lids occasionally. Check for and remove any contact lenses . Seek medical attention .
- 4.4 Ingestion** Wash out mouth with water . Remove dentures if present . Do not induce vomiting. Keep patient warm and quiet. Seek medical attention immediately .
- 4.5 First Aid Facilities** Eyewash and normal washroom facilities and consumerables .
- 4.6 Notes to Doctor** Treat symptomatically . Aspiration is the main danger . Enforce bed rest and observe carefully . Prophylactic antibiotics useful . Observe for chemical pneumonitis . Gasto-intestinal absorption is significant with hydrocarbon solvents .For large ingestions cuffed endotracheal tube is recommended .

## 5.0 Fire Fighting Measures

- 5.1 Flashpoint** 27°C
- 5.2 Flammability Limit** 1.0 (Lower)
- 5.3 Extinguishing Media**  
Foam , carbon dioxide , dry chemical .  
DO NOT USE WATER JET
- 5.4 Hazardous Composition Products**  
May form toxic materials such as Carbon Monoxide and Carbon Dioxide.
- 5.5 Special Firefighting Procedures**  
Call Fire Service and tell them of location and nature of hazard .  
Water or Foam may cause frothing that can be violent, especially if sprayed into containers of hot burning liquid. Self contained breathing apparatus with full face piece should be used.  
Closed containers can be kept cool by water spray .  
Make sure of adequate supplies of extinguishing material available .
- 5.6 Unusual fire and Explosion Hazards**  
Vapours are heavier than air and may travel along ground and move by ventilation and ignite at a point far from the source. Sumps and drains should be checked for signs of accumulation .

## 5.7 Firefighting Personal Protective Equipment

Full protective clothing and self contained breathing apparatus .  
Water rinse shower available .

## 6.0 Accidental Release Measures

- 6.1 Minor Spills** Eliminate all sources of Ignition. Stop leak at source. Dyke area of spillage. Absorb with sand or other absorbent inert material.
- 6.2 Major Spills** Clear are from all public and personnel .  
Call fire service and advise on the nature of hazard .  
Ensure spill is contained however if spill enters waterways directly or through drains advise local environment protection authority .
- 6.2 Disposal** Destroy by controlled incineration by approved waste disposal group or use an authorised disposal area.

## 7.0 Handling and Storage

- 7.1 Handling** Use in well ventilated area away from any source of ignition .  
Wear safety glasses , nitrile gloves , overalls , and approved cartridge respirator when spraying .
- 7.2 Storage** Store in a cool , authorised room away from any source of accidental ignition , or any oxidising agents . Do not store in any secondary packaging .

## 8.0 Exposure Controls / Personal Protection

### 8.1 Exposure Controls

<u>Ingredient</u>	<u>Standard</u>	<u>Exposure Limits</u>
Xylenes	NZ Workplace Exposure	TWA - 50 ppm TWA - 217 mg/m <sup>3</sup>
n- Butanol	NZ Workplace Exposure	Peak - 50 ppm Peak - 150 mg/m <sup>3</sup>
Benzyl Alcohol	NZ Workplace Exposure	TWA - 50 ppm

### 8.2 Personal Protective Equipment

- Vapour Respirator
- Splash Goggles
- Face Shield
- Gloves ( Nitrile )

- Synthetic Apron
- Vapour Respirator
- Dust Respirator

## 9.0 Physical and Chemical Properties

<b>9.1 Appearance</b>	Amber colored liquid
<b>9.2 Odour</b>	Slight Ammoniacal
<b>9.3 Boiling Point</b>	110°- 140°C
<b>9.4 Flash Point</b>	27° C
<b>9.5 Solubility in Water</b>	Slight
<b>9.6 Specific Gravity</b>	1.0
<b>9.7 ph Value</b>	10
<b>9.8 Vapour Pressure</b>	Not Available
<b>9.9 Vapour Density</b>	3.0 average
<b>9.10 Evaporation Rate</b>	0.5 (BA=1)
<b>9.11 Volatile Component</b>	85 %
<b>9.12 Flammability</b>	Flammable Liquid
<b>9.13 Autoignition Temp</b>	Not Established
<b>9.14 Flammability Limits</b>	Lower 1.1 Upper 7.1

Amberish flammable liquid with a mild solvent odour , which does not mix with water but will form a thin layer on water surface .

## 10.0 Stability and Reactivity

<b>10.1 Chemical Stability</b>	Stable under normal conditions Hazardous reactions with incompatible substances
<b>10.2 Conditions to Avoid</b>	Heat , Direct Sunlight , open flames or other ignition sources
<b>10.3 Materials to Avoid</b>	Strong oxidising agents , Amines ,Bases , Reducing agents , Nitrous oxide , Reactive metals , Sodium Hypochlorite , Organic and mineral acids .
<b>10.4 Hazardous Decomp Products</b>	Carbon monoxide , Carbon dioxide , Nitric acid , Ammonia , Nitrogen oxide , Aldyhydes , Organic acid vapours , Nitrosamine .
<b>10.5 Hazardous Reactions</b>	Will react with incompatible materials
<b>10.6 Hazardous Polymerization</b>	Will not occur

## 11.0 Toxicological Information

<b>11.1 Acute Toxicity</b>	Dermal - No toxicology data available for this product . Oral – LD50 : 2.020 mg/ kg Species : Rat
<b>11.2 Health Effects Swallowed</b>	May cause central nervous system effects, such as headache nausea , dizziness , confusion , breathing difficulties . Severe cases of overexposure can lead to respiratory failure .
<b>Eye Contact</b>	Corneal edema may give rise to a perception of fogging around lights . Exposed individuals may see rings around bright lights . Such effects are temporary and have no known

<b>Skin Contact</b>	residual effect . Product vapour can cause glaucopsia (corneal edema) when absorbed into the tissue of the eye from the atmosphere . Causes eye irritation . If absorbed through the skin may cause central nervous system effects, such as headache nausea , dizziness , confusion , breathing difficulties .Causes skin irritation . Signs of overexposure may be headache , dizziness , tiredness , nausea and vomiting .
<b>Chronic Effects</b>	Prolonged contact with skin may cause dermatitis .

## 12.0 Ecological Information

<b>12.1 Ecotoxicity</b>	No ecological data is available for this product .
<b>12.2 Persistence / Degradability</b>	Not readily biodegradable .
<b>12.3 Mobility Air Water</b>	Slow loss by evaporation Product spreads on surface of water .
<b>12.4 Enviro Protection</b>	Avoid contaminating waterways , soil , drains and sewers .

## 13.0 Disposal Considerations

<b>13.1 Liquid</b>	Dispose of waste through an approved facility .
<b>13.2 Containers</b>	Dispose of containers and unused contents in accordance with national and local body regulations.

## 14.0 Transport Regulations

**Labelling Required** FLAMMABLE LIQUID  
Red Diamond 3

### UNDG

<b>U N Number</b>	3469
<b>Proper Shipping Name</b>	Paint related material
<b>D G Class</b>	3
<b>Hazchem Code</b>	3 Y
<b>Packing Group</b>	II

### IMDG ( Maritime )

Christchurch  
(03) 323 8743

Auckland  
(09) 265 0032

Palmerston North  
021 682 151

<b>IMDG Class</b>	3
<b>UN Number</b>	3469
<b>EMS Number</b>	F-E , S-C
<b>IMDG Subrisk</b>	8
<b>Packing Group</b>	III
<b>Special Provisions</b>	163
<b>Marine Pollutant</b>	Not Determined

This material is classified as a class 3 – Flammable Liquid according to NZS 5433 : 1999 Transport of Dangerous Goods on Land .

This material must not be loaded in the same freight container or the same vehicle with :

Class 1	Explosives
Class 2.1	Flammable Gases
Class 2.3	Toxic Gases
Class 4.2	Spontaneously Combustible Substances
Class 5.1	Oxidising substances
Class 5.2	Organic Peroxides
Class 7	Radioactive materials unless specifically exempted

Must not be loaded in the same freight container , but can be in the same vehicle if separated horizontally by a distance of 3 metres :

Class 4.3 Dangerous when wet substances .

Goods of packing group II or III may be loaded in the freight container or the same vehicle if transported in segregation devices with :

Class 4.2	Spontaneously Combustible Substances
Class 4.3	Dangerous when wet substances
Class 5.1	Oxidising substances
Class 5.2	Organic Peroxides

## 15.0 Regulatory Information

<b>Labelling</b>	Class 3 , Flammable Liquid
<b>Poisons Schedule</b>	S 4
<b>Hazard Category</b>	Harmful

## 16.0 Other Information

<b>Revision Date</b>	20 JULY 2013
<b>NZ Emergency Services</b>	Telephone 111
<b>NZ Poison Information</b>	Telephone 0800 POISON (0800 764 766 )

The above information concerns only the above mentioned product and is not valid with any other product(s). The information is provided to the best of our knowledge, correctly and completely, in good faith but without warranty. It remains the user's responsibility to ensure the information is appropriate for their application of the product.