



Vers.-Nr: 52 Revision: 15.01.2024

Hazardous according to criteria of Australian Safety and Compensation Council.

### 1 Identification

- · Product identifier
- · Trade name: Transpoxy MasterMio 4.46 Pack B
- · Article number: 446b
- $\cdot \ \text{Relevant identified uses of the substance or mixture and uses advised against} \\$

No further relevant information available.

· Application of the substance/preparation:

Epoxy curing agent

Paint

- · Details of the supplier of the safety data sheet
- · Manufacturer/supplier:

**Transocean Coatings** 

Wagon Paints Australia Pty Ltd

ABN: 76 412 791 772

Street address: 5 Stephenson Road, Bayswater North

VIC, 3153 Australia Phone: +613 9729-1344 Fax: +613 9720 2719

- · Emergency telephone number:
- · Medical Emergencies: 24 Hours
- · Poisons Information Centre (Australia): 131 126

## 2 Hazard(s) Identification

- · Classification of the substance or mixture
- Flam. Lig. 3 H226 Flammable liquid and vapour.

Acute Tox. 4 H302 Harmful if swallowed.

Skin Corr. 1B H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.Skin Sens. 1 H317 May cause an allergic skin reaction.

- · Label elements
- · GHS label elements

The product is classified and labelled according to the Globally Harmonised System (GHS).

Hazard pictograms







GHS02 GHS05 GHS07

· Signal word Danger

· Hazard-determining components of labelling:

Benzyl alcohol

3-aminomethyl-3,5,5-trimethylcyclohexylamine

3,6-diazaoctanethylenediamin

3-aminopropyldimethylamine

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#### · Hazard statements

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

### · Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P241 Use explosion-proof electrical/ventilating/lighting equipment.

P260 Do not breathe dusts or mists.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.

Rinse skin with water/shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P321 Specific treatment (see on this label).

P362+P364 Take off contaminated clothing and wash it before reuse.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/

international regulations.

· Other hazards

· Results of PBT and vPvB assessment

PBT: Not applicable.vPvB: Not applicable.

## 3 Composition and Information on Ingredients

- · Chemical characterisation: Mixtures
- · **Description:** Mixture of substances listed below with nonhazardous additions.

100-51-6	Benzyl alcohol	10-25%
	♦ Acute Tox. 4, H302; Acute Tox. 4, H332	
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine	≥5-<10%
	Skin Corr. 1B, H314;	
1330-20-7	xylene, mixture of isomers	≥2.5-<10%
	Flam. Liq. 3, H226; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 3, H335	
112-24-3	3,6-diazaoctanethylenediamin	≥2.5-<5%
	Skin Corr. 1B, H314;	
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	≥2.5-<10%
	Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2A, H319	
109-55-7	3-aminopropyldimethylamine	≥1-≤2.5%
	♦ Flam. Liq. 3, H226; ♦ Skin Corr. 1B, H314; ♦ Acute Tox. 4, H302; Skin Sens. 1, H317	

· Additional information: For the wording of the listed hazard phrases refer to section 16.

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according to WHS Regulations

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## 4 First Aid Measures

- Description of first aid measures
- · General information:

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

- · After skin contact: Immediately wash with water and soap and rinse thoroughly.
- · After eye contact:

Rinse opened eye for several minutes under running water. Then consult a doctor.

· After swallowing:

Call for a doctor immediately.

Drink plenty of water and provide fresh air. Call for a doctor immediately.

- · Information for doctor:
- · Most important symptoms and effects, both acute and delayed

No further relevant information available.

· Indication of any immediate medical attention and special treatment needed No further relevant information available.

## **5 Fire Fighting Measures**

- Extinguishing media
- · Suitable extinguishing agents: CO2, sand, extinguishing powder. Do not use water.
- · Special hazards arising from the substance or mixture No further relevant information available.
- Advice for firefighters
- · Protective equipment: Mouth respiratory protective device.

## **6 Accidental Release Measures**

Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

- · Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- · Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Use neutralising agent.

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.





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## 7 Handling and Storage

- · Handling:
- · Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

· Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

- · Conditions for safe storage, including any incompatibilities
- · Storage:
- · Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep container tightly sealed.
- · Specific end use(s) No further relevant information available.

## 8 Exposure controls and personal protection

- · Additional information about design of technical facilities: No further data; see item 7.
- · Control parameters

1330-20-7	xylene, mixture	of isomers	
		5 mg/m³, 150 ppm	
Lon	g-term value: 350	) mg/m³, 80 ppm	
DNELs			
100-51-6 I	Benzyl alcohol		
Oral	long term DNEL	5.7 mg/kg/d (General Population)	
		9.5 mg/kg/d (Workers)	
Dermal	long term DNEL	29 mg/kg/d (General Population)	
		9.5 mg/kg/d (Workers)	
Inhalative	long term DNEL	8.11 mg/m3 (General Population)	
		90 mg/m3 (Workers)	
	Acute DNEL	40 mg/m3 (General Population)	
		450 mg/m3 (Workers)	
2855-13-2	3-aminomethyl-	3,5,5-trimethylcyclohexylamine	
Oral	long term DNEL	0.526 mg/kg/d (Workers)	
Inhalative	Acute DNEL	20.1 mg/m3 (Workers)	
1330-20-7	xylene, mixture	of isomers	
Dermal	long term DNEL	108 mg/kg/d (General Population)	
		180 mg/kg/d (Workers)	
Inhalative	long term DNEL	14.8 mg/m3 (General Population)	
		77 mg/m3 (Workers)	
112-24-3	3,6-diazaoctaneth	nylenediamin	
Dermal	long term DNEL	0.57 mg/kg/d (Workers)	





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Inhalative	long term DNEL	1 mg/m3 (Workers)		
	Acute DNEL	5380 mg/m3 (Workers)		
· PNECs				
2855-13-2	3-aminomethyl-	3,5,5-trimethylcyclohexylamine		
PNEC STP	3.18 mg/l	(water treatment plant)		
PNEC aqua	a 6 ug/l (fres	shwater)		
	0.6 ug/l (m	narine water)		
PNEC sedi	ment   5.784 mg/	kg (freshwater)		
PNEC soil	1.121 mg/	kg (Soil)		
	0.578 mg/	kg (marine water)		
1330-20-7	xylene, mixture	of isomers		
PNEC STP	6.58 mg/l	6.58 mg/l (water treatment plant)		
PNEC aqua	a 327 ug/l (f	reshwater)		
	327 ug/l (r	narine water)		
PNEC sedi	ment   12.46 mg/	12.46 mg/kg (freshwater)		
	12.46 mg/	kg (marine water)		
PNEC soil	2.31 mg/k	g (Soil)		
112-24-3 3	,6-diazaoctanetl	nylenediamin		
PNEC STP	4.25 mg/l	(water treatment plant)		
PNEC aqua	a 190 ug/l (f	reshwater)		
	38 ug/l (m	arine water)		
PNEC sedi	ment 95.9 mg/k	g (freshwater)		
	19.2 mg/k	g (marine water)		
PNEC soil	19.1 mg/k	g (Soil)		

- · Additional information: The lists valid during the making were used as basis.
- · Exposure controls
- · Personal protective equipment:
- · General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

### · Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

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### Material of gloves

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The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

### Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye protection:



Tightly sealed goggles

9 Physical and Chemical Properties
· Information on basic physical and chemi

ical properties

· General Information

· Appearance:

Form: Fluid

Colour: According to product specification

Characteristic · Odour: · Odour threshold: Not determined.

· pH-value: Not determined.

· Change in condition

Melting point/freezing point: Undetermined.

Initial boiling point and boiling range: 137 °C

· Flash point: 30 °C

· Flammability (solid, gas): Not applicable.

· Ignition temperature: 380°C

Not determined. · Decomposition temperature:

· Auto-ignition temperature: Product is not selfigniting.

· Explosive properties: Product is not explosive. However, formation of

explosive air/vapour mixtures are possible.

· Explosion limits:

Lower: 1.3 Vol % Upper: 13 Vol %

· Vapour pressure at 20 °C: 0.1 hPa

· Density at 20 °C: 0.98677 g/cm3 · Relative density Not determined.

· Vapour density Not determined.

· Evaporation rate Not determined.

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Not miscible or difficult to mix.
Not determined.
500 mPas
Not determined.
254.6 g/l
No further relevant information available.

## 10 Stability and Reactivity

- · Reactivity No further relevant information available.
- · Chemical stability
- Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

- · Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid No further relevant information available.
- · Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

## 11 Toxicological Information

- · Information on toxicological effects
- · Acute toxicity

	values relevant for	olassiiloatioii.
100-51-6 I	Benzyl alcohol	
Oral	LD50	1230 mg/kg (rat)
	LC50/ 96 hr	460 mg/l (fish)
Dermal	LD50	2000 mg/kg (rabbit)
Inhalative	LC50/4 h	>4 mg/l (rat)
2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine		
Oral	LD50	930 mg/kg (rat)
	LC50/ 96 hr	110 mg/l (fish)
Dermal	LD50	>3100 mg/kg (rat)
Inhalative	LC50/4 h	1.34 mg/l (rat)
1330-20-7	xylene, mixture of	isomers
Oral	LD50	>2000 mg/kg (rat)
	LC50/ 96 hr (static)	2.6 mg/l (Rainbow trout (Oncorhynchus mykiss)) (OESO 203 or equivalent)
Dermal	LD50	>2000 mg/kg (rabbit)
Inhalative	LC50/4 h	>20 mg/l (rat)

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112-24-3	3,6-diazaoctanet	hylenediamin	
Oral	LD50	1716 mg/kg (rat)	
	LC50/96 hr	330 mg/l (fish)	
Dermal	LD50	1465 mg/kg (rabbit)	
90-72-2 2	,4,6-tris(dimethy	aminomethyl)phenol	
Oral	LD50	2169 mg/kg (rat)	
109-55-7	3-aminopropyldi	methylamine	
Oral	LD50	1870 mg/kg (rat)	
	LC50/ 96 hr	122 mg/l (fish)	
Dermal	LD50	490 mg/kg (rabbit)	
Inhalative	LC50/4 h	>4.31 mg/l (rat)	
	LC50/4 h	>4.31 mg/l (rat)	

- · Primary irritant effect:
- · Skin corrosion/irritation Caustic effect on skin and mucous membranes.
- · Serious eye damage/irritation Strong caustic effect.
- · Respiratory or skin sensitisation Sensitisation possible through skin contact.
- · Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Harmful

Corrosive

Irritant

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

## **12 Ecological Information**

· Toxicity

· Aquatic toxic	ity:
100-51-6 Ben	zyl alcohol
EC50	640 mg/l (Algae)
EC 50 (48 hr)	230-400 mg/l (daphnia)
2855-13-2 3-a	minomethyl-3,5,5-trimethylcyclohexylamine
EC 50 (48 hr)	23 mg/l (daphnia)
EC 50 (72 hr)	37 mg/l (Algae)
1330-20-7 xyl	ene, mixture of isomers
EC 50 (48 hr)	1-10 mg/l (daphnia)
EC 50 (72 hr)	1-10 mg/l (Algae)
112-24-3 3,6-0	diazaoctanethylenediamin
EC 50 (48 hr)	31.1 mg/l (daphnia)
EC 50 (72 hr)	20 mg/l (Algae)
109-55-7 3-am	ninopropyldimethylamine
EC 50 (48 hr)	60 mg/l (daphnia)
EC 50 (72 hr)	56 mg/l (Algae)
· Persistence a	ind degradability No further relevant information available.

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- · Behaviour in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- · Mobility in soil No further relevant information available.
- · Additional ecological information:
- · General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water Do not allow product to reach ground water, water course or sewage system. Must not reach sewage water or drainage ditch undiluted or unneutralised. Danger to drinking water if even small quantities leak into the ground.

- · Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · vPvB: Not applicable.
- · Other adverse effects No further relevant information available.

## 13 Disposal considerations

- · Waste treatment methods
- · Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packaging:
- $\cdot$  **Recommendation:** Disposal must be made according to official regulations.

· UN-Number	
· ADG, IMDG, IATA	UN2734
· UN proper shipping name	
· ADG	2734 AMINES, LIQUID, CORROSIVE,
	FLAMMABLE, N.O.S. (3
	aminopropyldimethylamine, XYLENES)
· IMDG, IATA	AMINES, LIQUID, CORROSIVE, FLAMMABLE,
	N.O.S. (3-aminopropyldimethylamine, XYLENES)
· Transport hazard class(es)	
. , ,	
· ADG	



ClassLabel8 Corrosive substances.8+3

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(Contd. of page · IMDG · Class 8 Corrosive substances. · Label ·IATA · Class 8 Corrosive substances. · Label 8 (3) · Packing group · ADG, IMDG, IATA Ш · Environmental hazards: · Marine pollutant: No · Special precautions for user Warning: Corrosive substances. · Hazard identification number (Kemler code): 83 F-E,S-C · EMS Number: · Segregation groups Alkalis · Stowage Category SG35 Stow "separated from" SGG1-acids · Segregation Code · Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable. · Transport/Additional information: · ADG · Limited quantities (LQ) 1L · Excepted quantities (EQ) Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml · Transport category 2 · Tunnel restriction code D/E · IMDG · Limited quantities (LQ) 1L · Excepted quantities (EQ) Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml UN 2734 AMINES, LIQUID, CORROSIVE, · UN "Model Regulation": FLAMMABLE, N.O.S. AMINOPROPYLDIMETHYLAMINE, XYLENES), 8 (3), II





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## 15 Regulatory information

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

· Australian	Inventory of Industrial Chemicals			
100-51-6	Benzyl alcohol			
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine			
1330-20-7	xylene, mixture of isomers			
112-24-3	3,6-diazaoctanethylenediamin			
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol			
109-55-7	3-aminopropyldimethylamine			
· Standard t	Standard for the Uniform Scheduling of Medicines and Poisons			
1330-20-7	xylene, mixture of isomers	S6		
· Australia:	· Australia: Priority Existing Chemicals			
None of the ingredients is listed.				

### · GHS label elements

The product is classified and labelled according to the Globally Harmonised System (GHS).

· Hazard pictograms







GHS02 GHS05 GHS07

### · Signal word Danger

### · Hazard-determining components of labelling:

Benzyl alcohol

3-aminomethyl-3,5,5-trimethylcyclohexylamine

3,6-diazaoctanethylenediamin

3-aminopropyldimethylamine

#### · Hazard statements

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

### · Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P241 Use explosion-proof electrical/ventilating/lighting equipment.

P260 Do not breathe dusts or mists.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.

Rinse skin with water/shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P321 Specific treatment (see on this label).

P362+P364 Take off contaminated clothing and wash it before reuse.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/

international regulations.

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- · Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.
- Seveso category P5c FLAMMABLE LIQUIDS
- · Qualifying quantity (tonnes) for the application of lower-tier requirements 5000 t
- · Qualifying quantity (tonnes) for the application of upper-tier requirements 50000 t
- · Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

### · Contact:

### · Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU) DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Flam. Liq. 3: Flammable liquids - Category 3 Acute Tox. 4: Acute toxicity - oral - Category 4 Skin Corr. 1B: Skin corrosion/irritation - Category 1B

Skin Irrit. 2: Skin corrosion/irritation - Category 2

Eye Dam. 1: Serious eye damage/eye irritation - Category 1

Eye Irrit. 2A: Serious eye damage/eye irritation - Category 2A

Skin Sens. 1: Skin sensitisation - Category 1

STOT SE 3: Specific target organ toxicity (single exposure) - Category 3

· \* Data compared to the previous version altered.