

# Safety data sheet

## According to 91/155 EEC

Printing date 06.02.2013

Vers.-Nr: 31

Revision: 02.01.2013

Hazardous according to criteria of Australian Safety and Compensation Council

### 1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** Transpoxy EC Coating 3.62 pack A
- **Article number:** 362a
- **Application of the substance/preparation:** Paint
- **Details of the supplier of the safety data sheet**
- **Manufacturer/supplier:** Wagon Paints Australia P/L 5 Stephenson Rd Bayswater North 3153
- **Emergency telephone number:** (03) 9729 1344 from 8.00 am to 4.30 pm

### 2 Composition/information on ingredients

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

· **Dangerous components:**

|            |  |         |
|------------|--|---------|
| 1330-20-7  | xylene, mixture of isomers<br>⚠ H226; ⚠ H312; H332; H315   | 2.5-10% |
| 25068-38-6 | reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)<br>⚠ H411; ⚠ H315; H319; H317 | 2.5-10% |
| 78-83-1    | iso-butanol<br>⚠ H226; ⚠ H318; ⚠ H315; H335-H336   | 2.5-10% |
| 78-93-3    | butanone<br>⚠ H225; ⚠ H319; H336   | 2.5-10% |
| 100-41-4   | ethylbenzene<br>⚠ H225; ⚠ H332   | ≤ 2.5%  |
| 107-98-2   | 1-methoxy-2-propanol<br>⚠ H226   | ≤ 2.5%  |

### 3 Hazards identification

- **Classification of the substance or mixture**



GHS02 flame

H226 Flammable liquid and vapour.



GHS05 corrosion

H318 Causes serious eye damage.



GHS07

H332 Harmful if inhaled.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

(Contd. on page 2)

AUS

# Safety data sheet

## According to 91/155 EEC

Printing date 06.02.2013

Vers.-Nr: 31

Revision: 02.01.2013

**Trade name: Transpoxy EC Coating 3.62 pack A**

(Contd. of page 1)

- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008 Void**
- **Hazard pictograms**



GHS02    GHS05    GHS07

- **Signal word** *Danger*
- **Hazard-determining components of labelling:**  
*xylene, mixture of isomers*  
*iso-butanol*  
*reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)*  
*ethylbenzene*
- **Hazard statements**  
*Flammable liquid and vapour.*  
*Harmful if inhaled.*  
*Causes skin irritation.*  
*Causes serious eye damage.*  
*May cause an allergic skin reaction.*  
*Harmful to aquatic life with long lasting effects.*
- **Precautionary statements**  
*Keep away from heat/sparks/open flames/hot surfaces. - No smoking.*  
*Use explosion-proof electrical/ventilating/lighting/equipment.*  
*IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.*  
*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.*  
*Dispose of contents/container in accordance with local/regional/national/international regulations.*

### 4 First aid measures

- **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. If symptoms persist, consult a doctor.*
- **After swallowing:** *If symptoms persist consult doctor.*

### 5 Firefighting measures

- **Suitable extinguishing agents:** *CO2, sand, extinguishing powder. Do not use water.*
- **For safety reasons unsuitable extinguishing agents:** *Water with full jet*
- **Protective equipment:** *No special measures required.*

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
*Wear protective equipment. Keep unprotected persons away.*
- **Environmental precautions:**  
*Inform respective authorities in case of seepage into water course or sewage system.*  
*Do not allow to enter sewers/ surface or ground water.*

(Contd. on page 3)

## Safety data sheet

### According to 91/155 EEC

Printing date 06.02.2013

Vers.-Nr: 31

Revision: 02.01.2013

**Trade name: Transpoxy EC Coating 3.62 pack A**

(Contd. of page 2)

- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
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.

### 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.
- **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.

### 8 Exposure controls/personal protection

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

- **Ingredients with limit values that require monitoring at the workplace:**

#### Quartz (SiO<sub>2</sub>) (10-25%)

|     |  |
|-----|--|
| NES | 0.1 mg/m <sup>3</sup><br>respirable dust |
|-----|--|

#### xylene, mixture of isomers (2.5-10%)

|     |  |
|-----|--|
| NES | Short-term value: 655 mg/m <sup>3</sup> , 150 ppm<br>Long-term value: 350 mg/m <sup>3</sup> , 80 ppm |
|-----|--|

#### iso-butanol (2.5-10%)

|     |                                |
|-----|--------------------------------|
| NES | 152 mg/m <sup>3</sup> , 50 ppm |
|-----|--------------------------------|

#### butanone (2.5-10%)

|     |   |
|-----|---|
| NES | Short-term value: 890 mg/m <sup>3</sup> , 300 ppm<br>Long-term value: 445 mg/m <sup>3</sup> , 150 ppm |
|-----|---|

#### ethylbenzene (≤2.5%)

|     |   |
|-----|---|
| NES | Short-term value: 543 mg/m <sup>3</sup> , 125 ppm<br>Long-term value: 434 mg/m <sup>3</sup> , 100 ppm |
|-----|---|

#### 1-methoxy-2-propanol (≤2.5%)

|     |   |
|-----|---|
| NES | Short-term value: 553 mg/m <sup>3</sup> , 150 ppm<br>Long-term value: 369 mg/m <sup>3</sup> , 100 ppm |
|-----|---|

- **Additional information:** The lists valid during the making were used as basis.
- **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.

(Contd. on page 4)

AUS

## Safety data sheet

### According to 91/155 EEC

Printing date 06.02.2013

Vers.-Nr: 31

Revision: 02.01.2013

Trade name: **Transpoxy EC Coating 3.62 pack A**

(Contd. of page 3)

- **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

- **Material of gloves**

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 through 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

- **General Information**

- **Appearance:**

**Form:** Fluid

**Colour:** According to product specification

- **Odour:** Characteristic

- **Odour threshold:** Not determined.

- **pH-value:** Not determined.

- **Change in condition**

**Boiling point/Boiling range:** 108 °C

- **Flash point:** 24 °C

- **Flammability (solid, gaseous):** Not applicable.

- **Ignition temperature:** 300 °C

- **Decomposition temperature:** Not determined.

- **Self-igniting:** Product is not selfigniting.

- **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

- **Explosion limits:**

**Lower:** 1.1 Vol %

**Upper:** 7.0 Vol %

- **Vapour pressure at 20 °C:** 6.7 hPa

(Contd. on page 5)

AUS

## Safety data sheet

### According to 91/155 EEC

Printing date 06.02.2013

Vers.-Nr: 31

Revision: 02.01.2013

Trade name: **Transpoxy EC Coating 3.62 pack A**

(Contd. of page 4)

|                            |                           |
|----------------------------|---------------------------|
| · <b>Density at 20 °C:</b> | 1.42578 g/cm <sup>3</sup> |
| · <b>Relative density</b>  | Not determined.           |
| · <b>Vapour density</b>    | Not determined.           |
| · <b>Evaporation rate</b>  | Not determined.           |

· **Solubility in / Miscibility with water:** Not miscible or difficult to mix.

· **Partition coefficient (n-octanol/water):** Not determined.

|                          |                 |
|--------------------------|-----------------|
| · <b>Viscosity:</b>      |                 |
| <b>Dynamic at 20 °C:</b> | 1500 mPas       |
| <b>Kinematic:</b>        | Not determined. |

· **Solvent content:**  
**VOC (EC)** 320.1 g/l

### 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

· **Acute toxicity:**

· **LD/LC50 values relevant for classification:**

*xylene, mixture of isomers*

|        |      |                     |
|--------|------|---------------------|
| Oral   | LD50 | 4300 mg/kg (rat)    |
| Dermal | LD50 | 2000 mg/kg (rabbit) |

**reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)**

|        |      |                   |
|--------|------|-------------------|
| Oral   | LD50 | >2000 mg/kg (rat) |
| Dermal | LD50 | >2000 mg/kg (rat) |

- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Sensitization:** Sensitization possible through skin contact.

### 12 Ecological information

- **Aquatic toxicity:** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:**  
 Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water  
 Do not allow product to reach ground water, water course or sewage system, even in small quantities.  
 Danger to drinking water if even extremely small quantities leak into the ground.  
 Harmful to aquatic organisms

AUS

(Contd. on page 6)

## Safety data sheet

### According to 91/155 EEC

Printing date 06.02.2013

Vers.-Nr: 31

Revision: 02.01.2013


Trade name: *Transproxy EC Coating 3.62 pack A*

(Contd. of page 5)

### 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:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- **UN-Number**
- **ADG, IMDG, IATA**      UN1263
- **ADN**                      Void
- **UN proper shipping name**
- **ADG**                        1263 PAINT
- **ADN**                        Void
- **IMDG, IATA**              PAINT
- **Transport hazard class(es)**
- **ADG, ADN, IMDG**
- **Class**                      Void
- **IATA**
- 
- **Class**                        3
- **Label**                        3
- **Packing group**
- **ADG, IMDG**              Void
- **IATA**                        III
- **Environmental hazards:**
- **Marine pollutant:**      No
- **UN "Model Regulation":** UN1263, PAINT

### 15 Regulatory information

- **Australian Inventory of Chemical Substances**
- 14808-60-7 *Quartz (SiO<sub>2</sub>)*
- 13463-67-7 *titanium dioxide*
- 1330-20-7 *xylene, mixture of isomers*
- 14807-96-6 *Talc (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>)*
- 25068-38-6 *reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)*
- 78-83-1 *iso-butanol*
- 78-93-3 *butanone*
- 100-41-4 *ethylbenzene*
- 107-98-2 *1-methoxy-2-propanol*

(Contd. on page 7)

AUS

## Safety data sheet

### According to 91/155 EEC

Printing date 06.02.2013

Vers.-Nr: 31

Revision: 02.01.2013

**Trade name: Transpoxy EC Coating 3.62 pack A**

(Contd. of page 6)

|   |                                      |    |
|---|--------------------------------------|----|
| 21645-51-2  | aluminium hydroxide                  |    |
| 7631-86-9   | silicon dioxide, chemically prepared |    |
| 108-65-6  | 2-methoxy-1-methylethyl acetate      |    |
| 123-86-4  | n-butyl acetate                      |    |
| <b>· Standard for the Uniform Scheduling of Drugs and Poisons</b> |                                      |    |
| 1330-20-7   | xylene, mixture of isomers           | S6 |
| 78-93-3   | butanone                             | S5 |

· **Labelling according to Regulation (EC) No 1272/2008 Void**

· **Hazard pictograms**



GHS02    GHS05    GHS07

· **Signal word** *Danger*

· **Hazard-determining components of labelling:**

xylene, mixture of isomers

iso-butanol

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)

ethylbenzene

· **Hazard statements**

Flammable liquid and vapour.

Harmful if inhaled.

Causes skin irritation.

Causes serious eye damage.

May cause an allergic skin reaction.

Harmful to aquatic life with long lasting effects.

· **Precautionary statements**

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

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

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

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.

Dispose of contents/container in accordance with local/regional/national/international regulations.

## 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.

· **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 Organization

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

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent