

Safety Data Sheet according to WHS Regulations

Printing date 01.04.2021

Vers.-Nr: 56


Revision: 01.04.2021

Hazardous according to criteria of Australian Safety and Compensation Council.

1 Identification

- **Product identifier**
- **Trade name: Transozinc Epoxy Primer 91.55 Pack A**
- **Article number:** EG 9155-3200
- **Registration number** APVMA approval Number: 84506
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance/preparation:**
Epoxy coating
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:**
Manufacturer/Supplier
(03) 9729 1344 from 8.00 am to 4.30 pm.

2 Hazard(s) Identification

- **Classification of the substance or mixture**
Flam. Liq. 2 H225 Highly flammable liquid and vapour.
Skin Irrit. 2 H315 Causes skin irritation.
Eye Dam. 1 H318 Causes serious eye damage.
Skin Sens. 1 H317 May cause an allergic skin reaction.
Carc. 2 H351 Suspected of causing cancer.
- **Label elements**
- **GHS label elements**
The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**

GHS02 GHS05 GHS07 GHS08
- **Signal word** Danger
- **Hazard-determining components of labelling:**
iso-butanol
reaction product: bisphenol A-(epichlorhydrin); epoxy resin (number average molecular weigh > 700)
4-methylpentan-2-one

(Contd. on page 2)

Safety Data Sheet according to WHS Regulations

Printing date 01.04.2021

Vers.-Nr: 56

Revision: 01.04.2021

Trade name: Transozinc Epoxy Primer 91.55 Pack A

(Contd. of page 1)

· **Hazard statements**

- H225 Highly flammable liquid and vapour.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H317 May cause an allergic skin reaction.
- H351 Suspected of causing cancer.

· **Precautionary statements**

- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- P241 Use explosion-proof electrical/ventilating/lighting equipment.
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- 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.

· **Dangerous components:**

1330-20-7	xylene, mixture of isomers ⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 3, H335	≥2.5-<10%
25036-25-3	reaction product: bisphenol A-(epichlorhydrin); epoxy resin (number average molecular weigh > 700) ⚠ Skin Sens. 1, H317	2.5-10%
67-63-0	propan-2-ol ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2A, H319; STOT SE 3, H336	≥2.5-<10%
78-83-1	iso-butanol ⚠ Flam. Liq. 3, H226; ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315; STOT SE 3, H335-H336	≥3-<10%
108-10-1	4-methylpentan-2-one ⚠ Flam. Liq. 2, H225; ⚠ Carc. 2, H351; ⚠ Acute Tox. 4, H332; Eye Irrit. 2A, H319; STOT SE 3, H335	≥0.1-≤2.5%

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

AU

(Contd. on page 3)

Safety Data Sheet according to WHS Regulations

Printing date 01.04.2021

Vers.-Nr: 56

Revision: 01.04.2021

Trade name: Transozinc Epoxy Primer 91.55 Pack A

(Contd. of page 2)

4 First Aid Measures

- **Description of 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.
- **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:** 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.
- **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**
Use only in well ventilated areas.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.

(Contd. on page 4)

Safety Data Sheet according to WHS Regulations

Printing date 01.04.2021

Vers.-Nr: 56

Revision: 01.04.2021

Trade name: Transozinc Epoxy Primer 91.55 Pack A

(Contd. of page 3)

Protect against electrostatic charges.

- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **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**

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

1330-20-7 xylene, mixture of isomers

WES	Short-term value: 655 mg/m ³ , 150 ppm
	Long-term value: 350 mg/m ³ , 80 ppm

67-63-0 propan-2-ol

WES	Short-term value: 1230 mg/m ³ , 500 ppm
	Long-term value: 983 mg/m ³ , 400 ppm

78-83-1 iso-butanol

WES	Long-term value: 152 mg/m ³ , 50 ppm
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108-10-1 4-methylpentan-2-one

WES	Short-term value: 307 mg/m ³ , 75 ppm
	Long-term value: 205 mg/m ³ , 50 ppm

- **DNELs**

7440-66-6 zinc powder -zinc dust (stabilized)

Inhalative	long term DNEL	5 mg/m ³ (Workers)
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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/m ³ (General Population)
		77 mg/m ³ (Workers)

67-63-0 propan-2-ol

Oral	long term DNEL	26 mg/kg/d (General Population)
Dermal	long term DNEL	319 mg/kg/d (General Population)
		888 mg/kg/d (Workers)
Inhalative	long term DNEL	500 mg/m ³ (Workers)

78-83-1 iso-butanol

Oral	long term DNEL	25 mg/kg/d (General Population)
Inhalative	long term DNEL	55 mg/m ³ (General Population)
		310 mg/m ³ (Workers)

- **PNECs**

1330-20-7 xylene, mixture of isomers

PNEC STP	6.58 mg/l (water treatment plant)
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(Contd. on page 5)

Safety Data Sheet according to WHS Regulations

Printing date 01.04.2021

Vers.-Nr: 56

Revision: 01.04.2021

Trade name: Transozinc Epoxy Primer 91.55 Pack A

(Contd. of page 4)

PNEC aqua	327 ug/l (freshwater) 327 ug/l (marine water)
PNEC sediment	12.46 mg/kg (freshwater) 12.46 mg/kg (marine water)
PNEC soil	2.31 mg/kg (Soil)
67-63-0 propan-2-ol	
PNEC STP	2251 mg/l (water treatment plant)
PNEC aqua	140009 ug/l (freshwater) 140009 ug/l (marine water)
PNEC sediment	552 mg/kg (freshwater) 552 mg/kg (marine water)
78-83-1 iso-butanol	
PNEC STP	10 mg/l (water treatment plant)
PNEC aqua	400 ug/l (freshwater) 40 ug/l (marine water)
PNEC sediment	1.52 mg/kg (freshwater) 0.152 mg/kg (marine water)
PNEC soil	0.0699 mg/kg (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

· **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.

(Contd. on page 6)

Safety Data Sheet according to WHS Regulations

Printing date 01.04.2021

Vers.-Nr: 56

Revision: 01.04.2021

Trade name: Transozinc Epoxy Primer 91.55 Pack A

(Contd. of page 5)

· **Eye protection:**



Tightly sealed goggles

9 Physical and Chemical Properties

· **Information on basic 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**

· **Melting point/freezing point:** Undetermined.

· **Initial boiling point and boiling range:** 82 °C

· **Flash point:** 13 °C

· **Flammability (solid, gas):** Not applicable.

· **Ignition temperature:** 425 °C

· **Decomposition temperature:** Not determined.

· **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:** Not determined.

· **Upper:** Not determined.

· **Vapour pressure:** Not determined.

· **Density at 20 °C:** 2.61825 g/cm³

· **Relative density** Not determined.

· **Vapour density** Not determined.

· **Evaporation rate** Not determined.

· **Solubility in / Miscibility with water:**

Not miscible or difficult to mix.

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

· **Viscosity:**

· **Dynamic at 20 °C:** 1500 mPas

· **Kinematic:** Not determined.

· **Solvent content:**

· **VOC (EC)** 464.5 g/l

(Contd. on page 7)

Safety Data Sheet

according to WHS Regulations

Printing date 01.04.2021

Vers.-Nr: 56

Revision: 01.04.2021

Trade name: Transozinc Epoxy Primer 91.55 Pack A

(Contd. of page 6)

Other information

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**

LD/LC50 values relevant for classification:
7440-66-6 zinc powder -zinc dust (stabilized)

Oral	LD50	>2000 mg/kg (rat)
Inhalative	LC50/4 h (dynamic)	5.4 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 (<i>Oncorhynchus mykiss</i>)) (OESO 203 or equivalent)
Dermal	LD50	>2000 mg/kg (rabbit)
Inhalative	LC50/4 h	>20 mg/l (rat)

25036-25-3 reaction product: bisphenol A-(epichlorhydrin); epoxy resin (number average molecular weight > 700)

Oral	LD50	>2000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)
Inhalative	LC50/4 h	>4000 mg/l (rat)

67-63-0 propan-2-ol

Oral	LD50	5045 mg/kg (rat)
	LC50/ 96 hr	9640 mg/l (fish)
Dermal	LD50	12800 mg/kg (rabbit)
Inhalative	LC50/4 h	30 mg/l (rat)

78-83-1 iso-butanol

Oral	LD50	3350 mg/kg (rat)
	LC50/ 96 hr	1430 mg/l (fish)
Dermal	LD50	>2000 mg/kg (rabbit)
Inhalative	LC50/4 h	18.18 mg/l (rat)

(Contd. on page 8)

AU

Safety Data Sheet according to WHS Regulations

Printing date 01.04.2021

Vers.-Nr: 56

Revision: 01.04.2021

Trade name: Transozinc Epoxy Primer 91.55 Pack A

(Contd. of page 7)

108-10-1 4-methylpentan-2-one

Oral	LD50	2080 mg/kg (rat)
Dermal	LD50	16000 mg/kg (rab)
Inhalative	LC50/4 h	8.3-16.6 mg/l (rat)

· **Primary irritant effect:**

· **Skin corrosion/irritation** Irritant to skin and mucous membranes.

· **Serious eye damage/irritation** Irritating 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:

Irritant

12 Ecological Information

· **Toxicity**

· **Aquatic toxicity:**

1330-20-7 xylene, mixture of isomers

EC 50 (48 hr) 1-10 mg/l (daphnia)

EC 50 (72 hr) 1-10 mg/l (Algae)

67-63-0 propan-2-ol

EC50 >1000 mg/l (daphnia)

EC 50 (72 hr) >1000 mg/l (Algae)

78-83-1 iso-butanol

EC 50 (48 hr) 1100 mg/l (daphnia)

EC 50 (72 hr) 1799 mg/l (Algae)

· **Persistence and degradability** No further relevant information available.

· **Behaviour in environmental systems:**

· **Bioaccumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

· **Ecotoxicological effects:**

· **Remark:** Very toxic for fish

· **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.

Danger to drinking water if even small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Very toxic for aquatic organisms

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects** No further relevant information available.

AU

(Contd. on page 9)

Safety Data Sheet according to WHS Regulations

Printing date 01.04.2021

Vers.-Nr: 56

Revision: 01.04.2021




Trade name: Transozinc Epoxy Primer 91.55 Pack A

(Contd. of page 8)

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
· UN proper shipping name	
· ADG	1263 PAINT, ENVIRONMENTALLY HAZARDOUS
· IMDG	PAINT (zinc powder -zinc dust (stabilized)),
· IATA	MARINE POLLUTANT PAINT
· Transport hazard class(es)	
· ADG, IMDG	
	 
· Class	3 Flammable liquids.
· Label	3
· IATA	
	
· Class	3 Flammable liquids.
· Label	3
· Packing group	
· ADG, IMDG, IATA	III
· Environmental hazards:	
· Marine pollutant:	Yes
	Symbol (fish and tree)
· Special marking (ADG):	Symbol (fish and tree)
· Special precautions for user	Warning: Flammable liquids.
· Hazard identification number (Kemler code):	-
· EMS Number:	F-E, <u>S</u> -E
· Stowage Category	A

(Contd. on page 10)

Safety Data Sheet according to WHS Regulations

Printing date 01.04.2021

Vers.-Nr: 56

Revision: 01.04.2021

Trade name: Transozinc Epoxy Primer 91.55 Pack A

(Contd. of page 9)

· Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADG	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· Transport category	3
· Tunnel restriction code	E
· IMDG	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	UN 1263 PAINT, 3, III, ENVIRONMENTALLY HAZARDOUS

15 Regulatory information

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

· **Australian Inventory of Industrial Chemicals**

1330-20-7	xylene, mixture of isomers
25036-25-3	reaction product: bisphenol A-(epichlorhydrin); epoxy resin (number average molecular weigh > 700)
67-63-0	propan-2-ol
78-83-1	iso-butanol
108-10-1	4-methylpentan-2-one
1318-02-1	Crystalline aluminosilicate
1309-37-1	Red iron oxide
	Quaternary ammonium compounds,benzyl(hydrogenated tallow alkyl) dimethyl,chlorides, compds. with hectorite
	Synthetic amorphous, pyrogenic silica

· **Standard for the Uniform Scheduling of Medicines and Poisons**

1330-20-7	xylene, mixture of isomers	S6
108-10-1	4-methylpentan-2-one	S5

· **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).

(Contd. on page 11)

Safety Data Sheet according to WHS Regulations

Printing date 01.04.2021

Vers.-Nr: 56

Revision: 01.04.2021

Trade name: Transozinc Epoxy Primer 91.55 Pack A

(Contd. of page 10)

· **Hazard pictograms**



GHS02 GHS05 GHS07 GHS08

· **Signal word** Danger

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

iso-butanol

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

4-methylpentan-2-one

· **Hazard statements**

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer.

· **Precautionary statements**

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

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

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

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.

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **Seveso category**

E1 Hazardous to the Aquatic Environment

P5c FLAMMABLE LIQUIDS

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 100 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 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

(Contd. on page 12)

Safety Data Sheet according to WHS Regulations

Printing date 01.04.2021

Vers.-Nr: 56

Revision: 01.04.2021

Trade name: Transozinc Epoxy Primer 91.55 Pack A

(Contd. of page 11)

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. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity - dermal – Category 4

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

Carc. 2: Carcinogenicity – Category 2

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

· * **Data compared to the previous version altered.**