



SAFETY DATA SHEET 2PK PRIMER PART 'A'

Date Issued: 1 July 2014

HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA

*1. Identification of the substance/ preparation and the company

2 PK PRIMER PART 'A'

Product Line: 7199

Product Code: 719904; 719920.

Application:

Part 'A' coloured component of a two pack, epoxy/polyamide coating for industrial or trade applications.

Supplier:	Luxury Paints Pty Ltd	ABN	85 465 041 603
Address:	8 Manburgh Terrace, Darra, Brisbane, Qld, 4076 Australia		
Postal Address:	PO Box 3045, Darra, Brisbane, Qld, 4076 Australia		
Contact:	Telephone: +61 (7) 3375 3199	A/H: mob.	0413 949 709
	Fax: +61 (7) 3375 3886	Email:	info@luxurypaints.com.au

2. Hazards identification

Health Hazard Classification

This product is classified as hazardous under the criteria of Worksafe Australia.

Flammable. Harmful by inhalation and in contact with skin.

Hazard Category

Xn: Harmful; Xi: Irritant

Risk Phrases

R10 Flammable.
 R20/21 Harmful by inhalation and in contact with skin.
 R36/37/38 Irritating to eyes, respiratory system and skin.
 R65 Harmful: May cause lung damage if swallowed.
 R66 Repeated exposure may cause skin dryness and cracking.
 R67 Vapours may cause drowsiness and dizziness.

Safety Phrases

S2 Keep out of the reach of children.
 S3/7/9 keep container tightly closed in a cool, well ventilated place.
 S16 keep away from sources of ignition.
 S24/25 Avoid contact with skin and eyes.
 S33 Take precautionary measures against static discharges.
 S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Dangerous Goods Classification

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Poisons Schedule

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3. Composition/ information on ingredients

Lead-free pigmented reactive semi-solid epoxy in solvent mixture.

Epoxy resin

wt. % 10 - 30

CAS No.: None Index No.: - -

EEC No.: - -

Classification: Xi

(classification according to definition principle)

xylene isomer mixture

wt. % ca 10 - 30

CAS No.: 1330 - 20 - 7 Index No.: 601 - 022 - 00 - 9

EEC No.: 215 - 535 - 7

Classification: R10 ; Xn R20 / 21 ; Xi R38

Threshold concentration for Hazard Symbol Xn = from 12.5%

ethylbenzene

wt. % ca 1 - 3

CAS No.: 100 - 41 - 4 Index No.: 601 - 023 - 00 - 4

EEC No.: 202 - 849 - 4

Classification: F R11 ; Xn R20

Threshold concentration for Hazard Symbol Xn = from 25%

n-butanol

wt. % ca 1 - 10

CAS NO.: 71-36-3 Index No.:

EEC No.:

Classification: R10 ; Xi R36

Non-Hazardous Materials to 100%

4. First-aid measures

General: Take off immediately all contaminated clothing.

If aerosol or vapour is inhaled in high concentrations; take the person into the fresh air and keep them warm. If there is difficulty in breathing, medical advice is required.

After skin contact: In the event of skin contact, wipe off mechanically and wash affected areas thoroughly with industrial cleanser or soap and water. Consult a doctor in the event of a skin reaction.

On eye contact: Hold the eyes open and rinse with preferably lukewarm water for at least 15 minutes ensuring that the areas under the eyelids are thoroughly flushed. Contact an ophthalmologist.

After swallowing: Do NOT induce the patient to vomit, medical advice is required.

5. Fire-fighting measures

Extinguishing media: CO₂ , foam, dry powder: for larger fires water spray should be used.

In the event of a fire, carbon monoxide may be released. Firemen must wear self-contained breathing apparatus. Do not allow contaminated water to enter the soil, ground water or surface waters.

Flammable liquids and explosive vapours may emanate from damaged packages and appropriate controls should be in place to control the risk.



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6. Accidental release measures

Put on protective equipment (see Section 8). Remove sources of fire, ensure adequate ventilation/ exhaust ventilation. Keep unauthorised persons away. Do not empty into drains.
Remove mechanically; cover the remainder with wet absorbent material (e.g. sawdust, chemical binder based on calcium silicate hydrate, sand, diatomaceous earth, spill guard etc.). After approximately 1 hour transfer to waste container and do not seal (evolution of CO₂). Keep damp in a safe ventilated area for several days. For further disposal measures see Section 13.

7. Handling and storage

Handling: Ensure adequate ventilation or exhaust ventilation in the working area. Exhaust ventilation necessary if product is sprayed. Avoid contact with skin and eyes.

Provide adequate ventilation and if necessary, air extraction in working areas. Take precautions against the build-up of static electricity, as normal when handling flammable solvents.

Storage: Keep container dry and tightly closed in a cool and well ventilated place. Further information on storage conditions, which must be observed to preserve quality is available from Luxury Paints Pty Ltd.

8. Exposure controls/ Personal protection

NOHSC 1003 (1995) Exposure Standard:

ethyl benzene: 100 ppm (434 mg/ m³) TWA, 125 ppm (543 mg/ m³) STEL
xylene: 80 ppm (350 mg/ m³) TWA, 150 ppm (655 mg/ m³) STEL
n-butanol 50 ppm (152 mg/ m³) TWA, not specified STEL

TYPE, YEAR	substance	CAS No.	8-hr TWA		15-min STEL	
			ppm	mg/ m ³	ppm	mg/ m ³
	n-butanol	71-36-3	50	152	Not stated	

Health R- Phrases: R10, 36
maximum limit of excess factor 1

OES 2003	xylene o-,m-, p- or mixed isomers C ₆ H ₄ (CH ₃) ₂	1330-20-7	50	220	100	441
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(+ can be absorbed through the skin)
(values lowered in 2002)

(Indicative Occupational Exposure Limit Values)

Health R-Phrases: R20 / 21, 38

BMGV

In addition, a Biological Monitoring Guidance Value exists:

Health Guidance Value: 650 mmol methyl hippuric acid / mol creatinine in urine.

Sampling time: Post shift

OES 2003	ethylbenzene C ₆ H ₅ C ₂ H ₅	100-41-4	100	441	125	552
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(+ can be absorbed through the skin)

(Indicative Occupational Exposure Limit Values)

(revised in 2002)

Health R-Phrase: R20

(to be continued)



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8. Exposure controls/ Personal protection (continued)

Engineering controls:

Provide adequate local ventilation during application and drying particularly in confined spaces. Ventilation should be mechanically assisted during application and drying. Ensure exhaust air does not contaminate other work spaces. Ensure electrical equipment is in accordance with applicable regulations. Equipment used to transfer product should be adequately earthed. In confined spaces, tanks or stagnant air conditions use non-sparking tools and shoes. Use local mechanical ventilation for all cutting, grinding or "hot work" particularly in confined spaces.

Personal protection

Respiratory: Respiratory protection required in insufficiently ventilated working areas and during spraying. A full face, positive pressure air supplied mask is required for all spray applications or use in confined areas, tanks or stagnant air conditions. The spray booth should be isolated from all other people while spraying is in progress and until all spray mists had been dispersed. A charcoal cartridge half-face mask with an appropriate filter complying with AS1716 as minimum if general ventilation is good for short periods of work involving brush or roller application.

In case of hypersensitivity of the respiratory tract (e.g. asthmatics and those who suffer from chronic bronchitis) it is inadvisable to work with the product.

Hand protection: Hand protection required. Neoprene or nitrile rubber gloves are suitable. In the event of contamination, change protective gloves immediately. May cause sensitisation by skin contact.

Eye protection: Wear eye/ face protection.

Body protection: Wear long sleeve/ long legged clothing such as coveralls. If spray application, wear protective hood. All exposed skin should be covered. May cause sensitisation by skin contact.

Protection and hygienic measures: Keep away from foodstuffs, drinks and tobacco. Wash hands before breaks and at the end of work. Keep working clothes separate. Take off immediately any contaminated clothing.

Flammability

Flammable or highly flammable solvents used in the product (or to thin the product) may produce explosive mixtures with air.

These vapours are heavier than air and will "travel" to low areas, e.g. sumps, drains etc.

Precautions should be taken to eliminate the build-up of explosive mixtures.

Precautions should also be taken to prevent occurrence of static electricity discharge by wearing appropriate clothing, closed footwear with non-insulating soles and appropriate earthing of all containers while pouring or transferring liquid product.



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9. Physical and chemical properties

Tested in accordance with:

<p>Form: Colour: Odour: Setting point: Initial boiling point: Density: Vapour pressure: xylene resin Viscosity: Solubility in water: pH value: Flash Point: Ignition temperature: Explosive limits: xylene n-butanol Remarks:</p>	<p>Liquid Coloured smell of solvent Not available. Not available. ca. 1.00 – 1.35 ca. 7-9 mbar at 20°C <0.001 mbar at 20°C (vapour pressure balance/ OECD No. 104) ca. 250 mPa.s at 23°C ca. 80 s at 23°C flow time per DIN ISO 2431 (orifice: 5mm) insoluble as resin: reacts as described in paragraph 10. not applicable ca. 24°C ca. 460°C lower: 1.0% by vol upper: 8.0% by vol lower: 1.4% by vol upper: 11.2% by vol The values for density and viscosity are guide values.</p>	<p>DIN EN ISO 2811</p>
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10. Stability and reactivity

Hazardous decomposition products: No hazardous decomposition products when stored and handled correctly.

Hazardous reactions: None known.

11. Toxicological information

Health Effects:

Acute:

Swallowed: May cause irritation to the throat, mouth and digestive tract. Large doses may cause drowsiness and may lead to unconsciousness. Aspiration of liquid into lungs may cause serious (even fatal) pneumonitis.

Eye: Irritant, both by contact and vapour.

Skin: Irritant, both by contact and vapour. The liquid may cause skin discomfort following prolonged contact which may cause contact dermatitis which is characterised by redness and swelling.

Inhaled: Vapour is irritating to mucous membranes and respiratory tract. Can cause dizziness, headaches, nausea and may lead to unconsciousness. Prolonged exposure to vapour may cause damage to the central nervous system.

Chronic: This product may contain traces of ethylbenzene and naphthalene derivatives. These products are classified as "possible human carcinogen (Group 2B).

(to be continued)



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11. Toxicological information (continued)

- First aid:** Remove paint residues with industrial skin cleanser. Removal is difficult due to low solubility of resin.
- Swallowed:** Contact a doctor or Poisons Information Centre. Do NOT induce vomiting. If conscious, give a glass of water.
- Eye:** Flush immediately with copious water (for at least 15 minutes) ensuring that the areas under the eyelids are thoroughly washed. Seek medical advice.
- Skin:** Remove contaminated clothing. Remove product from skin with solvent based hand cleaner and wash thoroughly with soap and water. Launder contaminated clothing before re-use.
- Inhaled:** Provide fresh air. If breathing has stopped or is laboured, provide artificial respiration. If operator has lost consciousness, seek medical attention.

First aid facilities: Provide a supply of solvent based hand cleaner, eye wash equipment (for volume flushing) in addition to normal first aid requirements.

Advice to Doctor: Treat symptomically. Because of the risk of aspiration, gastric lavage should only be undertaken after endotracheal intubation.

Acute toxicity:

LD₅₀ oral, rat: more than 5000mg/ kg *)

Skin and mucous membrane compatibility, rabbit:

Skin 4 hour exposure – very slight irritant

Eyes - very slight irritant
(OECD – Guidelines for Testing of Chemicals, No. 404 and 405) (1997) **)

*) Toxicological studies of a comparable product.

**) Toxicological studies on a comparable solvent-free product.

Aromatic hydrocarbons, such as xylene, irritate the skin and mucous membrane and are narcotic if inhaled in high concentrations.

Special properties/ effects:

Over-exposure, especially when spraying coatings containing volatile solvents without the necessary precautions, entails the risk of concentration-dependent irritation effects on eyes, nose, throat and respiratory tract. Delayed appearance of the complaints and development of hypersensitivity (difficulty breathing, coughing, asthma) are possible. Prolonged contact with the skin may cause tanning and irritant effects.



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12. Ecological information

Acute bacterial toxicity: $EC_{50} = 100 - 1000 \text{ mg/l}$
 (OECD Guideline for Testing of Chemicals, No. 209)
 Acute fish toxicity: $LC_0 = 8.8 \text{ mg/l}$
 $LC_{100} = 25.0 \text{ mg/l}$
 Test species: Brachydanio rerio (Zebra barbel) Duration of test: 96 h

Ecotoxicological testing of the solvent-free product yielded the following results:

Biodegradability: 1%, i.e. not readily biodegradable.
 Degradation rate in 28 days.
 (OECD Guideline for Testing of Chemicals, No. 301 D)

Acute fish toxicity: $LC_0 \geq 100 \text{ mg/l}$
 Test species: Brachydanio rerio (Zebra barbel) Duration of test: 96 h
 (OECD Guideline for Testing of Chemicals, No. 203) *)

Acute toxicity for daphnia: $EC_0 \geq 100 \text{ mg/l}$
 Test species: Daphnia magna (Water flea) Duration of test: 48 h
 (OECD Guideline for Testing of Chemicals, No. 202) *)

Acute toxicity for algae: no toxic effect at 100 mg/l
 Tested on: scenedesmus subs. Duration of test: 72 h
 (OECD Guideline for Testing of Chemicals, No. 201) *)

*) Sample preparation on account of the reactivity of the substance with water:
 Ultra turrax: 60 sec, 8000rpm; 24h magnetic stirrer; filtration.

Remark:

On the basis of the data for ecotoxicological effects, the substance can be classified as non-critical to aquatic organisms in the water-soluble range. As the substance is not readily biodegradable, long retention times in water are to be expected. This applies only in cases where no other elimination mechanisms (photodegradation, hydrolysis, adsorption) are active. However, as there is no ecotoxic effect, no damage to the ecosystem is to be expected.

Do not allow to escape into waterways, waste water or soil.

13. Disposal considerations

The relevant local, regional and national regulations must be complied with. It is among the tasks of the polluter to assign the waste to waste codes specific to industrial sectors and processes according to the national authority. It is recommended that details be worked out with the waste disposal company responsible.

The waste can be disposed of in a suitable incinerator, provided that national/ local legislation is complied with.

For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.

After final product withdrawal, all residues must be removed from containers (drip-free, powder-free or paste-free). Once the product residues adhering to the walls of the containers have been rendered harmless, the product and hazard labels must be invalidated. Containers must be recycled in compliance with national and environmental regulations.



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*14. Transport information

Dangerous Good according to ADG Code (7th Edition) Hazchem: 3[Y]
 GGVSE: 3 UN: 1263 PG: III SP: 640E
 RID/ ADR: 3 UN: 1263 PG: III SP: 640E
 Warning sign: Hazard No. 30 UN No. 1263
 ADNR: 3 UN: 1263 PG: III SP: 640E
 GGVSee/ IMDG: 3 UN: 1263 PG: III MPO: NO
 ICAO-TI/ IATA-DGR: 3 UN: 1263 PG: III
 Declaration for land shipment: PAINT RELATED MATERIAL
 Declaration for sea shipment: PAINT RELATED MATERIAL
 Declaration for shipment by air: PAINT RELATED MATERIAL
 Limited quantity regulations applicable in accordance with chapter 3.4 RID/ ADR in compliance with threshold value.
 Other information:
 Combustible, flash point 24°C. Keep dry. Keep separated from foodstuffs.

*15. Regulatory information

Not a scheduled poison under SUSDP.
 Labelling as required by Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 (CHIP3), in accordance with Australian requirements:
 Symbol: Xn, Xi Hazard description: Harmful, Irritant.

 R10: Flammable.
 R20/ 21: Harmful by inhalation and in contact with skin.
 R43: May cause sensitisation by inhalation and skin contact.
 S24: Avoid contact with skin.
 S37: Wear suitable gloves.
 S51: Use only in well-ventilated areas.

The manufacturer's information on the handling of isocyanates is contained in this Safety Data Sheet.

TRGS 905-classification:
 Ethylbenzene (CAS No.: 100-41-4) is not classified as a carcinogenic substance in accordance with TRGS 905 in Germany, nor is it included in the EU substance list. It is classified as a Category 3A carcinogenic substance in accordance with the list of MAK and BAT values from the German Research Commission.

Water pollution class (WGK): 2 – impairment of water quality
 WGK = Classification in accordance with the German Water Resources Act (in accordance with Annex 4 to the Directive on Water-Hazardous Substances).



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*16. Other information

The product is used mainly with a hardener in coating materials or adhesives. The handling of coating materials or adhesives containing reactive resins and volatile requires appropriate protective measures referred to in this Safety Data Sheet. These products may therefore be used only in industrial or trade applications. They are not suitable for use in home worker (DIY) applications where application by spray is entailed.

Application using brush, pad or roller requires the use of an appropriate charcoal cartridge respirator as listed in section 8.

All components of this product are listed in the European Inventory of Existing Commercial Substances (EINECS) under the provisions laid down in the corresponding EC-Directive. The components are also listed in the Australia Inventory of Chemical Substances (NICNAS).

Text of all R-phrases referred to in Sections 2 and 3:

R 10:	Flammable.
R 20:	Harmful by inhalation.
R 20/ 21:	Harmful by inhalation and in contact with skin.
R 36:	Irritating to the eyes.
R 38:	Irritating to the skin.
R 36/ 37/ 38:	Irritating to the eyes, respiratory system and skin.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

This Safety Data Sheet replaces all previous information.

Revised and valid from: see Date of Issue.

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The above details do not imply any guarantee concerning composition, properties or performance.

End of Report.



SAFETY DATA SHEET 2PK PRIMER PART 'B'

Date Issued: 2 July 2014

HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA

***1. Identification of the substance/ preparation and the company**

2 PK PRIMER PART 'B'

Product Line: 72

Product Code: 7201; 7205.

Application:

Part 'B' hardener component of a two pack, epoxy/polyamide coating for industrial or trade applications.

<p>Supplier: Address: Postal Address: Contact:</p>	<p>Luxury Paints Pty Ltd 8 Manburgh Terrace, Darra, Brisbane, Qld, 4076 Australia PO Box 3045, Darra, Brisbane, Qld, 4076 Australia Telephone: +61 (7) 3375 3199 A/H: mob. 0413 949 709 Fax: +61 (7) 3375 3886</p>	<p>ABN 85 465 041 603</p>
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Email: info@luxurypaints.com.au

2. Hazards identification

Health Hazard Classification

This product is classified as hazardous under the criteria of Worksafe Australia.

Flammable. Harmful by inhalation and in contact with skin.

Hazard Category

Xn: Harmful; Xi: Irritant

Risk Phrases

R10 Flammable.
R20/21 Harmful by inhalation and in contact with skin.
R36/37/38 Irritating to eyes, respiratory system and skin.
R65 Harmful: May cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness and cracking.
R67 Vapours may cause drowsiness and dizziness.

Safety Phrases

S2 Keep out of the reach of children.
S3/7/9 keep container tightly closed in a cool, well ventilated place.
S16 keep away from sources of ignition.
S24/25 Avoid contact with skin and eyes.
S33 Take precautionary measures against static discharges.
S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Dangerous Goods Classification

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Poisons Schedule

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SAFETY DATA SHEET 2PK PRIMER PART 'B'

Date Issued: 2 July 2014

3. Composition/ information on ingredients

Polyamide resin in solvent mixture.

Polyamide resin

wt. % 30 - 60

CAS No.: None Index No.: - -

EEC No.: - -

Classification: Xi

(classification according to definition principle)

xylene isomer mixture

wt. % ca 10 - 30

CAS No.: 1330 - 20 - 7 Index No.: 601 - 022 - 00 - 9

EEC No.: 215 - 535 - 7

Classification: R10 ; Xn R20 / 21 ; Xi R38

Threshold concentration for Hazard Symbol Xn = from 12.5%

ethylbenzene

wt. % ca 1 - 3

CAS No.: 100 - 41 - 4 Index No.: 601 - 023 - 00 - 4

EEC No.: 202 - 849 - 4

Classification: F R11 ; Xn R20

Threshold concentration for Hazard Symbol Xn = from 25%

n-butanol

wt. % ca 1 - 10

CAS NO.: 71-36-3 Index No.:

EEC No.:

Classification: R10 ; Xi R36

Non-Hazardous Materials to 100%

4. First-aid measures

General: Take off immediately all contaminated clothing.

If aerosol or vapour is inhaled in high concentrations; take the person into the fresh air and keep them warm. If there is difficulty in breathing, medical advice is required.

After skin contact: In the event of skin contact, wipe off mechanically and wash affected areas thoroughly with industrial cleanser or soap and water. Consult a doctor in the event of a skin reaction.

On eye contact: Hold the eyes open and rinse with preferably lukewarm water for at least 15 minutes ensuring that the areas under the eyelids are thoroughly flushed. Contact an ophthalmologist.

After swallowing: Do NOT induce the patient to vomit, medical advice is required.



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Date Issued: 2 July 2014

5. Fire-fighting measures

Extinguishing media: CO₂, foam, dry powder: for larger fires water spray should be used.

In the event of a fire, carbon monoxide may be released. Firemen must wear self-contained breathing apparatus. Do not allow contaminated water to enter the soil, ground water or surface waters.

Flammable liquids and explosive vapours may emanate from damaged packages and appropriate controls should be in place to control the risk.

6. Accidental release measures

Put on protective equipment (see Section 8). Remove sources of fire, ensure adequate ventilation/ exhaust ventilation. Keep unauthorised persons away. Do not empty into drains. Remove mechanically; cover the remainder with wet absorbent material (e.g. sawdust, chemical binder based on calcium silicate hydrate, sand, diatomaceous earth, spill guard etc.). After approximately 1 hour transfer to waste container and do not seal (evolution of CO₂). Keep damp in a safe ventilated area for several days. For further disposal measures see Section 13.

7. Handling and storage

Handling: Ensure adequate ventilation or exhaust ventilation in the working area. Exhaust ventilation necessary if product is sprayed. Avoid contact with skin and eyes.

Provide adequate ventilation and if necessary, air extraction in working areas. Take precautions against the build-up of static electricity, as normal when handling flammable solvents.

Storage: Keep container dry and tightly closed in a cool and well ventilated place. Further information on storage conditions, which must be observed to preserve quality is available from Luxury Paints Pty Ltd.

8. Exposure controls/ Personal protection

NOHSC 1003 (1995) Exposure Standard:

ethyl benzene:	100 ppm (434 mg/ m ³) TWA, 125 ppm (543 mg/ m ³) STEL
xylene:	80 ppm (350 mg/ m ³) TWA, 150 ppm (655 mg/ m ³) STEL
n-butanol	50 ppm (152 mg/ m ³) TWA, not specified STEL

(to be continued)



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8. Exposure controls/ Personal protection (continued)

TYPE, YEAR	substance	CAS No.	8-hr TWA ppm mg/ m ³		15-min STEL ppm mg/ m ³	
	n-butanol	71-36-3 50 (+ can be absorbed through skin)	50	152	Not stated	
		Health R- Phrases: maximum limit of excess factor 1		R10, 36		
OES 2003	xylene o-,m-, p- or mixed isomers C ₆ H ₄ (CH ₃) ₂	1330-20-7 (values lowered in 2002) (Indicative Occupational Exposure Limit Values)	50	220	100	441
		Health R-Phrases: R20 / 21, 38				
BMGV	In addition, a Biological Monitoring Guidance Value exists:					
Health Guidance Value:	650 mmol methyl hippuric acid / mol creatinine in urine.					
Sampling time:	Post shift					
OES 2003	ethylbenzene C ₆ H ₅ C ₂ H ₅	100-41-4 (Indicative Occupational Exposure Limit Values) (revised in 2002)	100	441	125	552
		Health R-Phrase: R20				

Engineering controls:

Provide adequate local ventilation during application and drying particularly in confined spaces. Ventilation should be mechanically assisted during application and drying. Ensure exhaust air does not contaminate other work spaces. Ensure electrical equipment is in accordance with applicable regulations. Equipment used to transfer product should be adequately earthed. In confined spaces, tanks or stagnant air conditions use non-sparking tools and shoes. Use local mechanical ventilation for all cutting, grinding or "hot work" particularly in confined spaces.

Personal protection

Respiratory: Respiratory protection required in insufficiently ventilated working areas and during spraying. A full face, positive pressure air supplied mask is required for all spray applications or use in confined areas, tanks or stagnant air conditions. The spray booth should be isolated from all other people while spraying is in progress and until all spray mists had been dispersed. A charcoal cartridge half-face mask with an appropriate filter complying with AS1716 as minimum if general ventilation is good for short periods of work involving brush or roller application.

Hand protection: Hand protection required. Neoprene or nitrile rubber gloves are suitable. In the event of contamination, change protective gloves immediately. May cause sensitisation by skin contact.

Eye protection: Wear eye/ face protection.

Body protection: Wear long sleeve/ long legged clothing such as coveralls. If spray application, wear protective hood. All exposed skin should be covered. May cause sensitisation by skin contact.

(to be continued)



SAFETY DATA SHEET 2PK PRIMER PART 'B'

Date Issued: 2 July 2014

8. Exposure controls/ Personal protection (continued)

Protection and hygienic measures: Keep away from foodstuffs, drinks and tobacco. Wash hands before breaks and at the end of work. Keep working clothes separate. Take off immediately any contaminated clothing.

Flammability

Flammable or highly flammable solvents used in the product (or to thin the product) may produce explosive mixtures with air.

These vapours are heavier than air and will "travel" to low areas, e.g. sumps, drains etc.

Precautions should be taken to eliminate the build-up of explosive mixtures.

Precautions should also be taken to prevent occurrence of static electricity discharge by wearing appropriate clothing, closed footwear with non-insulating soles and appropriate earthing of all containers while pouring or transferring liquid product.

10. Physical and chemical properties

Form:	Liquid	Tested in accordance with:
Colour:	Clear	
Odour:	smell of solvent	
Setting point:	Not available.	
Initial boiling point:	Not available.	
Density:	ca. 1.00	DIN EN ISO 2811
Vapour pressure:		
xylene	ca. 7-9 mbar at 20°C	
resin	<0.001 mbar at 20°C	
Viscosity:	(vapour pressure balance/ OECD No. 104) ca. 250 mPa.s at 23°C ca. 80 s at 23°C flow time per DIN ISO 2431 (orifice: 5mm)	
Solubility in water:	insoluble as resin: reacts as described in paragraph 10.	
pH value:	not applicable	
Flash Point:	ca. 24°C	
Ignition temperature:	ca. 460°C	
Explosive limits:		
xylene	lower: 1.0% by vol	upper: 8.0% by vol
n-butanol	lower: 1.4% by vol	upper: 11.2% by vol
Remarks:	The values for density and viscosity are guide values.	

10. Stability and reactivity

Hazardous decomposition products: No hazardous decomposition products when stored and handled correctly.

Hazardous reactions: None known.



SAFETY DATA SHEET 2PK PRIMER PART 'B'

Date Issued: 2 July 2014

11. Toxicological information

Health Effects:

Acute:

Swallowed: May cause irritation to the throat, mouth and digestive tract. Large doses may cause drowsiness and may lead to unconsciousness. Aspiration of liquid into lungs may cause serious (even fatal) pneumonitis.

Eye: Irritant, both by contact and vapour.

Skin: Irritant, both by contact and vapour. The liquid may cause skin discomfort following prolonged contact which may cause contact dermatitis which is characterised by redness and swelling.

Inhaled: Vapour is irritating to mucous membranes and respiratory tract. Can cause dizziness, headaches, nausea and may lead to unconsciousness. Prolonged exposure to vapour may cause damage to the central nervous system.

Chronic: This product may contain traces of ethylbenzene and naphthalene derivatives. These products are classified as "possible human carcinogen (Group 2B).

First aid: Remove paint residues with industrial skin cleanser. Removal is difficult due to low solubility of resin.

Swallowed: Contact a doctor or Poisons Information Centre. Do NOT induce vomiting. If conscious, give a glass of water.

Eye: Flush immediately with copious water (for at least 15 minutes) ensuring that the areas under the eyelids are thoroughly washed. Seek medical advice.

Skin: Remove contaminated clothing. Remove product from skin with solvent based hand cleaner and wash thoroughly with soap and water. Launder contaminated clothing before re-use.

Inhaled: Provide fresh air. If breathing has stopped or is laboured, provide artificial respiration. If operator has lost consciousness, seek medical attention.

First aid facilities: Provide a supply of solvent based hand cleaner, eye wash equipment (for volume flushing) in addition to normal first aid requirements.

Advice to Doctor: Treat symptomatically. Because of the risk of aspiration, gastric lavage should only be undertaken after endotracheal intubation.

Acute toxicity:

LD₅₀ oral, rat: more than 5000mg/ kg *)

Skin and mucous membrane compatibility, rabbit:

Skin 4 hour exposure – very slight irritant

Eyes - very slight irritant
(OECD – Guidelines for Testing of Chemicals, No. 404 and 405) (1997) **)

*) Toxicological studies of a comparable product.

**) Toxicological studies on a comparable solvent-free product.

Aromatic hydrocarbons, such as xylene, irritate the skin and mucous membrane and are narcotic if inhaled in high concentrations.

Special properties/ effects:

Over-exposure, especially when spraying coatings containing volatile solvents without the necessary precautions, entails the risk of concentration-dependent irritation effects on eyes, nose, throat and respiratory tract. Delayed appearance of the complaints and development of hypersensitivity (difficulty breathing, coughing, asthma) are possible. Prolonged contact with the skin may cause tanning and irritant effects.



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12. Ecological information

Acute bacterial toxicity: $EC_{50} = 100 - 1000 \text{ mg/l}$
 (OECD Guideline for Testing of Chemicals, No. 209)
 Acute fish toxicity: $LC_0 = 8.8 \text{ mg/l}$
 $LC_{100} = 25.0 \text{ mg/l}$
 Test species: Brachydanio rerio (Zebra barbel) Duration of test: 96 h

Ecotoxicological testing of the solvent-free product yielded the following results:

Biodegradability: 1%, i.e. not readily biodegradable.
 Degradation rate in 28 days.
 (OECD Guideline for Testing of Chemicals, No. 301 D)

Acute fish toxicity: $LC_0 \geq 100 \text{ mg/l}$
 Test species: Brachydanio rerio (Zebra barbel) Duration of test: 96 h
 (OECD Guideline for Testing of Chemicals, No. 203) *)

Acute toxicity for daphnia: $EC_0 \geq 100 \text{ mg/l}$
 Test species: Daphnia magna (Water flea) Duration of test: 48 h
 (OECD Guideline for Testing of Chemicals, No. 202) *)

Acute toxicity for algae: no toxic effect at 100 mg/l
 Tested on: scenedesmus subs. Duration of test: 72 h
 (OECD Guideline for Testing of Chemicals, No. 201) *)

*) Sample preparation on account of the reactivity of the substance with water:
 Ultra turrax: 60 sec, 8000rpm; 24h magnetic stirrer; filtration.

Remark:

On the basis of the data for ecotoxicological effects, the substance can be classified as non-critical to aquatic organisms in the water-soluble range. As the substance is not readily biodegradable, long retention times in water are to be expected. This applies only in cases where no other elimination mechanisms (photodegradation, hydrolysis, adsorption) are active. However, as there is no ecotoxic effect, no damage to the ecosystem is to be expected.

Do not allow to escape into waterways, waste water or soil.

13. Disposal considerations

The relevant local, regional and national regulations must be complied with. It is among the tasks of the polluter to assign the waste to waste codes specific to industrial sectors and processes according to the national authority. It is recommended that details be worked out with the waste disposal company responsible.

The waste can be disposed of in a suitable incinerator, provided that national/ local legislation is complied with.

For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.

After final product withdrawal, all residues must be removed from containers (drip-free, powder-free or paste-free). Once the product residues adhering to the walls of the containers have been rendered harmless, the product and hazard labels must be invalidated. Containers must be recycled in compliance with national and environmental regulations.



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*14. Transport information

Dangerous Good according to ADG Code (7 th Edition)					Hazchem:	3[Y]
GGVSE: 3	UN: 1263	PG: III	SP: 640E			
RID/ ADR: 3	UN: 1263	PG: III	SP: 640E			
Warning sign: Hazard No. 30 UN No. 1263						
ADNR: 3	UN: 1263	PG: III	SP: 640E			
GGVSee/ IMDG: 3	UN: 1263	PG: Ili	MPO: NO			
ICAO-TI/ IATA-DGR: 3	UN: 1263	PG: III				
Declaration for land shipment: PAINT RELATED MATERIAL						
Declaration for sea shipment: PAINT RELATED MATERIAL						
Declaration for shipment by air: PAINT RELATED MATERIAL						
Limited quantity regulations applicable in accordance with chapter 3.4 RID/ ADR in compliance with threshold value.						
Other information:						
Combustible, flash point 24°C. Keep dry. Keep separated from foodstuffs.						

*15. Regulatory information

Not a scheduled poison under SUSDP.

Labelling as required by Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 (CHIP3), in accordance with Australian requirements:

Symbol: Xn, Xi Hazard description: Harmful, Irritant.

R10: Flammable.
 R20/ 21: Harmful by inhalation and in contact with skin.
 S24: Avoid contact with skin.
 S37: Wear suitable gloves.
 S51: Use only in well-ventilated areas.

The manufacturer's information on the handling of isocyanates is contained in this Safety Data Sheet.

TRGS 905-classification:

Ethylbenzene (CAS No.: 100-41-4) is not classified as a carcinogenic substance in accordance with TRGS 905 in Germany, nor is it included in the EU substance list. It is classified as a Category 3A carcinogenic substance in accordance with the list of MAK and BAT values from the German Research Commission.

Water pollution class (WGK): 2 – impairment of water quality

WGK = Classification in accordance with the German Water Resources Act (in accordance with Annex 4 to the Directive on Water-Hazardous Substances).



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*16. Other information

The product is used mainly with a hardener in coating materials or adhesives. The handling of coating materials or adhesives containing reactive resins and volatile requires appropriate protective measures referred to in this Safety Data Sheet. These products may therefore be used only in industrial or trade applications. They are not suitable for use in home worker (DIY) applications where application by spray is entailed.

Application using brush, pad or roller requires the use of an appropriate charcoal cartridge respirator as listed in section 8.

All components of this product are listed in the European Inventory of Existing Commercial Substances (EINECS) under the provisions laid down in the corresponding EC-Directive. The components are also listed in the Australia Inventory of Chemical Substances (NICNAS).

Text of all R-phrases referred to in Sections 2 and 3:

R 10:	Flammable.
R 20:	Harmful by inhalation.
R 20/ 21:	Harmful by inhalation and in contact with skin.
R 36:	Irritating to the eyes.
R 38:	Irritating to the skin.
R 36/ 37/ 38:	Irritating to the eyes, respiratory system and skin.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

This Safety Data Sheet replaces all previous information.

Revised and valid from: see Date of Issue.

The data given here is based on current knowledge and experience. The purpose of this Material Safety Data Sheet is to describe the products in terms of their safety requirements. The above details do not imply any guarantee concerning composition, properties or performance.

End of Report.