



# SAFETY DATA SHEET

## ETCH PRIMER

Date Issued: 5 August 2014

Page 1 of 7

### HAZARDOUS ACCORDING TO NOHSC CRITERIA

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

##### ETCH PRIMER

**Product Line:** 59 Series

**Product Code:** 59XX04; 59XX20 where XX represents digits for colour codes.

##### Application:

Spraying grade of low gloss industrial, coloured etch primer coating range.

**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](mailto:info@luxurypaints.com.au)

#### 2. Hazards identification

##### Health Hazard Classification

This product is classified as hazardous under NOHSC criteria.

Highly flammable. Harmful by inhalation and in contact with skin,

##### Hazard Category

Xn: Harmful; Xi: Irritant

##### Risk Phrases

R11 Highly 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

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

3

##### Poisons Schedule

5



## SAFETY DATA SHEET ETCH PRIMER

Date Issued: 5 August 2014

Page 2 of 7

### 3.3. Composition: Information on Ingredients

Ingredient	CAS No.	Proportion % v/v
Vinyl butyral resin	27360-07-2	1 - ≤ 10
Bisphenol A/ epichlorhydrin resin liquid	25068-38-6	1 - ≤ 10
Silica amorphous	7631-86-9	1 - ≤ 10
n-butanol	71-36-3	1 - ≤ 10
toluene	108-88-3	30 - ≤ 60
iso-propanol	67-63-0	10 - ≤ 30
Phosphoric acid	7664-38-2	1 - ≤ 10
Pigments – non-hazardous	Various	1 - ≤ 10
Additives	Various	1 - ≤ 10

### 4. First Aid Measures

For advice, contact Poisons Information Centre (Phone Australia: 13 11 26) or a doctor.

#### Ingestion

If swallowed, DO NOT induce vomiting. Keep at rest. Seek immediate medical attention.

#### Eye Contact

Flush eyes with large amounts of water until irritation subsides. Seek immediate medical attention.

#### Skin Contact

Wash affected areas with soap and water or suitable skin cleansing cream. Remove contaminated clothing, including shoes, and launder before reuse. Seek medical attention for skin irritations.

#### Inhalation

Using proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Seek immediate medical attention.

#### First Aid Facilities

Provide eye baths and safety showers.

#### Medical Attention

Treat according to symptoms. Avoid gastric lavage: risk of aspiration of product to the lungs with the potential to cause chemical pneumonitis.

### 5. Fire Fighting Measures

Shut off product that may 'fuel' a fire if safe to do so. Allow trained personnel to attend a fire in progress, providing fire-fighters with this Material Safety Data Sheet. Prevent extinguishing media from escaping to drains and waterways.

#### Suitable extinguishing media

Dry chemical or foam.

#### Hazardous products from combustion

Carbon dioxide and carbon monoxide.

#### Precautions for fire fighters and special protective equipment

Full protective clothing and self-contained breathing apparatus.

#### Hazchem Code

3[Y]E



## SAFETY DATA SHEET ETCH PRIMER

Date Issued: 5 August 2014

Page 3 of 7

### 6. Accidental Release Measures

#### Emergency Procedures

Prevent fluid from escaping to drains and waterways. Contain leaking packaging in a containment drum or dam constructed of inert material eg sand or other approved material. Prevent vapours from building up in confined areas. Ensure that drain valves are closed at all times. Clean up and report spills immediately.

#### Methods and materials for containment

##### Major Land Spill

- Eliminate sources of ignition.
- Warn occupants of downwind areas of possible fire and explosion hazard.
- Prevent liquid from entering sewers, watercourses or low lying areas.
- Keep the public away from the area.
- Advise authorities if substance has entered a watercourse or sewer or has contaminated soil or vegetation.
- Take measures to minimise the effect on ground water.
- Contain the spilled liquid with sand or earth.
- Recover by pumping – use explosion proof pump or hand pump – or with a suitable absorbent material.
- Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.
- See “First Aid Measure” and “Stability and Reactivity” sections.

##### Major Water Spill

- Eliminate any sources of ignition.
- Warn occupants and shipping in downwind areas of possible fire and explosion hazard.
- Notify the port or relevant authority and keep the public away from the area.
- Shut off the source of the spill if possible and safe to do so.
- Confine the spill if possible.
- Remove the product from the surface by skimming or with suitable absorbent material.
- Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.
- See “First Aid Measure” and “Stability and Reactivity” sections.

### 7. Handling and Storage

#### Precautions for safe handling

This product is flammable. Do not open near open flame, sources of heat or ignition. No smoking. Keep container closed. Handle containers with care. Open slowly to control possible pressure release. Use grounding leads to avoid static discharge (electric spark).

#### Conditions for safe storage

Store in a cool, dry place away from direct sunlight. Keep out of the reach of children. Do not pressurise, cut heat or weld containers – residual vapours are flammable. This product is flammable and will fuel a fire in progress.

#### Incompatible materials

Natural rubber, Butyl Rubber, Polystyrene, Oxidising Agents or Chemicals.



## SAFETY DATA SHEET ETCH PRIMER

Date Issued: 5 August 2014

Page 4 of 7

### 8. Exposure Controls: Personal Protection

#### National Exposure Standards

None assigned. Refer to individual constituents.

The time weighted average concentration (TWA) for this product is the highest allowable exposure concentration in an eight-hour day for a five-day working week. The short-term exposure limit (STEL) is: None specified, which is the maximum allowable exposure concentration at any time.

Vinyl butyral: Dusts not otherwise classified, as inspirable dust; ES TWA 10 mg/ m<sup>3</sup>.

Silica amorphous: Containing no asbestos and < 1% crystalline silica.  
TLV TWA 10 mg/ m<sup>3</sup> total dust.  
TLV TWA: 2 mg/m<sup>3</sup> respirable dust (fumed silica)

n-butanol: TLV C 25 ppm, 76 mg/ m<sup>3</sup> (skin)  
ES Peak: 50 ppm, 150 mg/ m<sup>3</sup> (skin)

Toluene: ES TWA 50 ppm, 188 mg/ m<sup>3</sup> (skin)  
TLV TWA: 50 ppm, 188 mg/ m<sup>3</sup> (skin) A4

Iso-propanol: TLV/ TWA: 200 ppm, 491 mg/ m<sup>3</sup> STEL: 400 ppm, 984 mg/ m<sup>3</sup>  
ES TWA 400 ppm, 980 mg/ m<sup>3</sup> STEL: 500 ppm, 1225 mg/ m<sup>3</sup>

Phosphoric acid: TLV TWA: 1 mg/ m<sup>3</sup>, STEL: 3 mg/ m<sup>3</sup>  
ES TWA: 1 mg/ m<sup>3</sup>, STEL: 3 mg/ m<sup>3</sup>

#### Biological limit values

None established.

#### Engineering Controls: Ventilation

The use of local exhaust ventilation is recommended to control process emissions near the source. Laboratory samples should be handled in a fume hood. Provide mechanical ventilation of confined spaces. Use explosion-proof ventilation equipment.

#### Personal Protective Equipment

##### Respiratory Protection

Where concentrations in air may exceed the limits described in the National Exposure Standards, it is recommended to use a half-face filter mask to protect from overexposure by inhalation. A type 'A' filter material is considered suitable for this product. It is recommended that a suitable dust mask and eye protection are worn when sanding the dried film of paint coating.

##### Eye protection

Always use safety glasses or a face shield when handling this product.

##### Skin/ Body Protection

Always wear long sleeves and long trousers or coveralls, and enclosed footwear or safety boots when handling this product. It is recommended that chemical resistant gloves be worn when using this product.

##### 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 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.



## SAFETY DATA SHEET ETCH PRIMER

Date Issued: 5 August 2014

Page 5 of 7

### 9. Physical and chemical properties

Property	Unit of measurement	Typical value
Appearance	-	Coloured liquid
Boiling Point/ Range	°C	82 - 134
Flash point	°C	- 1
Density @ 25 °C	g/ ml	0.80 – 0.90
Vapour Pressure @ 20 °C	kPa	4.4
Explosive Limits (LEL – UEL)	%	1.0 – 15.0
Vapour Density @ 20 °C	kPa	Not available
Auto-ignition Temperature	°C	> 200
Viscosity @ 25 °C	Seconds	50 – 90" B4
Percent volatiles	%	90
Solubility in water	% w/w	Immiscible

Remarks: The values for density and viscosity are guide values.

### 10. Stability and reactivity

#### Chemical stability

Stable under normal conditions of use.

#### Conditions to avoid

Sources of heat and ignition, open flames.

#### Hazardous decomposition products

No hazardous decomposition products when stored and handled correctly except on burning. See "Fire Fighting Measures".

#### Hazardous reactions:

Oxidizing agents, mineral acids, halogenated organic compounds.

### 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. Prolonged exposure may result in dryness and cracking.

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:** Principal routes of exposure are usually by inhalation of vapour/ spray mist and skin contact/ eye contact with the material.

Chronic solvent inhalation exposures may result in nervous system impairment and liver and blood changes. Prolonged or continuous skin contact with the liquid may cause defatting with drying, cracking, irritation and dermatitis following. As with any chemical product, contact with unprotected skin, inhalation of vapour/ mist or dust in workplace atmosphere; or ingestion in any form, should be avoided by observing good occupational work practices.



## SAFETY DATA SHEET ETCH PRIMER

Date Issued: 5 August 2014

Page 6 of 7

### 12. Ecological information

#### Aquatic Toxicity

Fish Toxicity (rainbow trout, goldfish, and bluegill)

LC<sub>50</sub> (96 hr): Based on data for similar components or preparations, this product is expected to be toxic to aquatic organisms.

Daphnia Magna EC<sub>50</sub> (48 hr):

Long term adverse effects to aquatic organisms are possible if continuous exposure is maintained.

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 or approved landfill site, 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.

### \*14. Transport information

Hazardous Good according to ADG Code (7<sup>th</sup> Edition)

GGVSE: 3 UN: 1263 PG: II SP: 640E Hazchem: 3[Y]E

RID/ ADR: 3 UN: 1263 PG: II SP: 640E

Warning sign: Hazard No. 30 UN No. 1263

ADNR: 3 UN: 1263 PG: II SP: 640E

GGVSee/ IMDG: 3 UN: 1263 PG: II MPO: NO

ICAO-TI/ IATA-DGR: 3 UN: 1263 PG: II

Declaration for land shipment: PAINT

Declaration for sea shipment: PAINT

Declaration for shipment by air: PAINT

Limited quantity regulations applicable in accordance with chapter 3.4 RID/ ADR in compliance with threshold value.

Other information:

Combustible, flash point -1 °C. Keep dry. Keep separated from foodstuffs.



## SAFETY DATA SHEET ETCH PRIMER

Date Issued: 5 August 2014

Page 7 of 7

### 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, Hazard description: Harmful  
Xi, Hazard description: Irritant

R11 Highly Flammable.

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

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.

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.

S51 Use only in well ventilated areas.

S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

### \*16. Other information

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 11: Highly 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.

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.