

Revision date: 18/07/2018

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## SAFETY DATA SHEET ETCHING PRIMER

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

#### 1.1. Product identifier

**Product name** ONE PACK PIGMENTED ETCHING PRIMER

**Product number**

**Special User Instructions**

#### 1.2. Relevant identified uses of the substance or mixture and uses advised

**Identified uses against** Finish coat.

#### 1.3. Details of the supplier of the safety data sheet

**Supplier** Flint Hire & Supply Ltd, Unit 2,  
Newton's Court, Crossways Business Park,  
Dartford, DA2 6QL

#### 1.4. Emergency telephone number

**Emergency telephone** +44 (0) 1895 - 251234 Mon - Thurs: 9.00 - 17.30, Friday: 9.00 - 16.00

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture Classification (EC 1272/2008)

**Physical hazards** Flam. Liq. 3 - H226

**Health hazards** Skin Irrit.2 -H315 Eye Dam. 1 -H318 STOT SE 3 -H335 STOT RE 2 -H373 Asp. Tox. 1 - H304

**Environmental** Aquatic Chronic 3 - H412

#### 2.2. Label

##### elements Hazard



1S



**Signal word**

Danger

**Hazard statements**

H226 Flammable liquid and vapour.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H335 May cause respiratory irritation.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H304 May be fatal if swallowed and enters airways.  
H412 Harmful to aquatic life with long lasting effects.

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### Precautionary statements

P261 Avoid breathing vapour/ spray.  
 P271 Use only outdoors or in a well-ventilated area.  
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P312 Call a POISON CENTRE/doctor if you feel unwell.  
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.

### Contains

Xylene isomer mixture (with up to 20 % Ethylbenzene), Butan-1-ol, ethylbenzene

### Supplementary precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P240 Ground and bond container and receiving equipment.  
 P241 Use explosion-proof electrical equipment.  
 P242 Use non-sparking tools.  
 P243 Take action to prevent static discharges.  
 P264 Wash contaminated skin thoroughly after handling.  
 P273 Avoid release to the environment.  
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
 P302+P352 IF ON SKIN: Wash with plenty of water.  
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or 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.  
 P321 Specific treatment (see medical advice on this label).  
 P331 Do NOT induce vomiting.  
 P332+P313 If skin irritation occurs: Get medical advice/ attention.  
 P362+P364 Take off contaminated clothing and wash it before reuse.  
 P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.  
 P403+P235 Store in a well-ventilated place. Keep cool.  
 P405 Store locked up.  
 P501 Dispose of contents/ container in accordance with national regulations.

### 2.3. Other hazards

#### SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>Xylene isomer mixture (with up to 20 % Ethylbenzene)</b>			<b>10-30%</b>
CAS number: 1330-20-7	EC number: 215-535-7	REACH registration number: 01-2119457558-25-XXXX	
<b>Classification</b>			
Flam. Liq. 3 - H226			
Acute Tox. 4 - H312			
Acute Tox. 4 - H332			
Skin Irrit. 2 - H315			
Eye Irrit. 2 - H319			
STOT SE 3 - H335			
STOT RE 2 - H373			
Asp. Tox. 1 - H304			
Aquatic Chronic 3 - H412			

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<b>Butan-1-ol</b>			<b>10-30%</b>
CAS number: 71-36-3	EC number: 200-751-6		
<b>Classification</b> Flam. Liq. 3 - H226 Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335, H336			
<b>1-Methoxy-2-propanol</b>			<b>5-10%</b>
CAS number: 107-98-2	EC number: 203-539-1		
<b>Classification</b> Flam. Liq. 3 - H226 STOT SE 3 - H336			
<b>ethylbenzene</b>			<b>1-5%</b>
CAS number: 100-41-4	EC number: 202-849-4		
<b>Classification</b> Flam. Liq. 2 - H225 Acute Tox. 4 - H332 STOT RE 2 - H373 Asp. Tox. 1 - H304			
<b>Zinc Phosphate</b>			<b>1-5%</b>
CAS number: 7779-90-0	EC number: 231-944-3	REACH registration number: 01-2119485044-40-XXXX	
M factor (Acute) = 1	M factor (Chronic) = 1		
<b>Classification</b> Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410			
<b>Phosphoric Acid</b>			<b>&lt;1%</b>
CAS number: 7664-38-2	EC number: 231-633-2	REACH registration number: 01-2119485924-24-XXXX	
<b>Classification</b> Skin Corr. 1B - H314 Eye Dam. 1 - H318			

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<b>n-Butyl Acetate</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 123-86-4	EC number: 204-658-1	REACH registration number: 01-2119485493-29-XXXX
<b>Classification</b> Flam. Liq. 3 - H226 STOT SE 3 - H336		

The full text for all hazard statements is displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>General information</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If in doubt, get medical attention promptly. Never give anything by mouth to an unconscious person.
<b>Inhalation</b>	Remove person to fresh air and keep comfortable for breathing. If breathing stops, provide artificial respiration. Never give anything by mouth to an unconscious person. Get medical attention if symptoms are severe or persist.
<b>Ingestion</b>	Get medical attention immediately. Do not induce vomiting. Keep affected person warm and at rest.
<b>Skin contact</b>	Remove contaminated clothing immediately and wash skin with soap and water.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Rinse with water. Continue to rinse for at least 15 minutes. Get medical attention if symptoms are severe or persist after washing.

#### 4.2. Most important symptoms and effects, both acute and delayed

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure. Treat symptomatically.
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#### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Notes for the doctor</b>	Treat symptomatically.
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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.

#### 5.2. Special hazards arising from the substance or mixture

<b>Specific hazards</b>	Containers can burst violently or explode when heated, due to excessive pressure build-up.
<b>Hazardous combustion products</b>	Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide (CO).

#### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	Control run-off water by containing and keeping it out of sewers and watercourses.
<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

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### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions** No smoking, sparks, flames or other sources of ignition near spillage. Keep unnecessary and unprotected personnel away from the spillage. Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation.

#### 6.2. Environmental precautions

**Environmental precautions** The product is immiscible with water and will sediment in water systems. Avoid release to the environment. Avoid discharge into drains or watercourses or onto the ground.

#### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Absorb spillage with sand or other inert absorbent.

#### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. See Section 11 for additional information on health hazards.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions** Restricted to professional users. Use only in well-ventilated areas. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

#### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Store at temperatures between 5°C and 35°C. Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Store away from the following materials: Acids. Alkalis. Avoid contact with oxidising agents.

**Storage class** Flammable liquid storage.

#### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

### SECTION 8: Exposure controls/Personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

##### Xylene isomer mixture (with up to 20 % Ethylbenzene)

Long-term exposure limit (8-hour TWA): WEL 50 ppm 220 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 100 ppm 441 mg/m<sup>3</sup>  
Sk

##### Butan-1-ol

Short-term exposure limit (15-minute): WEL 50 ppm 154 mg/m<sup>3</sup>  
Sk

##### 1-Methoxy-2-propanol

Long-term exposure limit (8-hour TWA): WEL 100 ppm 375 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 150 ppm 560 mg/m<sup>3</sup>  
Sk

##### ethylbenzene

Long-term exposure limit (8-hour TWA): WEL 100 ppm 441 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 125 ppm 552 mg/m<sup>3</sup>  
Sk

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### Phosphoric Acid

Long-term exposure limit (8-hour TWA): WEL 1 mg/m<sup>3</sup>Short-term exposure limit (15-minute): WEL 2 mg/m<sup>3</sup>

### n-Butyl Acetate

Long-term exposure limit (8-hour TWA): WEL 150 ppm 724 mg/m<sup>3</sup>Short-term exposure limit (15-minute): WEL 200 ppm 966 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through the skin.

### Xylene isomer mixture (with up to 20 % Ethylbenzene) (CAS: 1330-20-7)

#### DNEL

Workers - Dermal; Long term systemic effects: 180 mg/kg/day

Workers - Inhalation; Long term systemic effects: 77 mg/m<sup>3</sup>Consumer - Dermal; Long term systemic effects: 108 mg/m<sup>3</sup>Consumer - Inhalation; Long term systemic effects: 14.8 mg/m<sup>3</sup>

#### PNEC

- Fresh water; 0.327 mg/l

- marine water; 0.327 mg/l

- Intermittent release; 0.327 mg/l

- STP; 6.58 mg/l

- Sediment (Freshwater); 12.46 mg/kg

- Sediment (Marinewater); 12.46 mg/kg

- Soil; 2.31 mg/kg

### Zinc Phosphate (CAS: 7779-90-0)

#### DNEL

Workers - Inhalation; Long term systemic effects: 5 mg/m<sup>3</sup>

Workers - Dermal; Long term systemic effects: 83 mg/kg/day

#### PNEC

- Fresh water; 20.6 µg Zn/L

- marine water; 6.1 µg Zn/L

- Sediment (Freshwater); 117.8 mg/kg d.w.

- Sediment (Marinewater); 56.5 mg/kg d.w.

- Soil; 35.6 mg/kg d.w.

- STP; 100 µg Zn/L

### Phosphoric Acid (CAS: 7664-38-2)

#### DNEL

Workers - Inhalation; Long term local effects: 2.93 mg/m<sup>3</sup>

## 8.2. Exposure controls

### Protective equipment



### Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

### Eye/face protection

Wear eye protection.

### Hand protection

Wear protective gloves.

### Other skin and body protection

Provide eyewash station and safety shower.

### Hygiene measures

Wash at the end of each work shift and before eating, smoking and using the toilet.

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**Respiratory protection** If ventilation is inadequate, suitable respiratory protection must be worn.

**Environmental exposure controls** Keep container tightly sealed when not in use.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Viscous liquid. Coloured liquid.
<b>Odour</b>	Characteristic. Organic solvents.
<b>Initial boiling point and range</b>	115 - 135°C
<b>Flash point</b>	23-60°C Closed cup.
<b>Upper/lower flammability or explosive limits</b>	Lower flammable/explosive limit: 0.7 %
<b>Relative density</b>	1.0 - 1.2
<b>Solubility(ies)</b>	Immiscible with water.

#### 9.2. Other information

**Volatile organic compound** This product contains a maximum VOC content of ~690 g/l.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

#### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures and when used as recommended.

#### 10.3. Possibility of hazardous reactions

#### 10.4. Conditions to avoid

#### 10.5. Incompatible materials

**Materials to avoid** Avoid contact with the following materials: Strong acids. Strong alkalis. Strong oxidising agents.

#### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity - oral

**ATE oral (mg/kg)** 4,094.17

##### Acute toxicity - dermal

**ATE dermal (mg/kg)** 8,836.58

##### Acute toxicity - inhalation

**ATE inhalation (gases ppm)** 34,141.35

### SECTION 12: Ecological information

#### 12.1. Toxicity

#### 12.2. Persistence and degradability

#### 12.3. Bioaccumulative potential

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### 12.4. Mobility in soil

### 12.5. Results of PBT and vPvB assessment

### 12.6. Other adverse effects

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

<b>General information</b>	Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents.
<b>Disposal methods</b>	Absorb in vermiculite, dry sand or earth and place into containers. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
<b>Waste class</b>	Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. Dispose of contents/container in accordance with national regulations. Dispose of contents/container in accordance with local regulations. Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. The classification of this product, when disposed of as waste is 08 01 11 'waste paint or varnish containing organic solvents or other dangerous substances'. If this product is mixed with other wastes, this code may longer apply. If mixed with other materials , the appropriate code should be assigned, for further information contact your local waste authority.

## SECTION 14: Transport information

### 14.1. UN number

UN No. (ADR/RID)	1263
UN No. (IMDG)	1263
UN No. (ICAO)	1263
UN No. (ADN)	1263

### 14.2. UN proper shipping name

Proper shipping name (ADR/RID) PAINT (xylene, Butan-1-ol, ethylbenzene)

Proper shipping name (IMDG) PAINT (xylene, Butan-1-ol, ethylbenzene)

Proper shipping name (ICAO) PAINT

Proper shipping name (ADN) PAINT

### 14.3. Transport hazard class(es)

ADR/RID class	3
ADR/RID classification code	F1
ADR/RID label	3
IMDG class	3
ICAO class/division	3
ADN class	3



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### Transport labels



### 14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III
ADN packing group	III

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

### 14.6. Special precautions for user

EmS	F-E, S-E
ADR transport category	3
Emergency Action Code	•3Y
Hazard Identification Number (ADR/RID)	30
Tunnel restriction code	(D/E)

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

#### SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
Guidance	Workplace Exposure Limits EH40.

### 15.2. Chemical safety assessment

#### SECTION 16: Other information

Issued by	HS&E Manager.
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SDS number	5515
SDS status	Approved.

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### Hazard statements in full

H225 Highly flammable liquid and vapour.  
H226 Flammable liquid and vapour.  
H302 Harmful if swallowed.  
H304 May be fatal if swallowed and enters airways.  
H312 Harmful in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
H373 May cause damage to organs (Hearing organs) through prolonged or repeated exposure.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H400 Very toxic to aquatic life.  
H410  
H412 Harmful to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.