



## SAFETY DATA SHEET

### ONE PACK ETCH PRIMER BLACK

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010, According to Regulation (EC) No 1907/2006, Annex II

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

##### 1.1. Product identifier

**Product name** ONE PACK ETCH PRIMER BLACK  
**Product number** 0078 - 0024 (Black)

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

**Identified uses** Paint.

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

**Supplier** Dacrylate Paints Ltd,  
 Lime Street,  
 Kirkby-in-Ashfield  
 Nottingham NG17 8AL  
 Tel: +44 (0) 1623-753845  
 Fax: +44 (0) 1623-757151

**Contact person**

##### 1.4. Emergency telephone number

**National emergency telephone number** +44 (0) 1623 753845 08:30-17:00 MON-FRI

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Classification

**Physical hazards** Flam. Liq. 2 - H225  
**Health hazards** Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317 STOT SE 3 - H336  
**Environmental hazards** Aquatic Chronic 2 - H411

**Classification (67/548/EEC or 1999/45/EC)** Xn;R20/21. Repr. Cat. 3;R63. Xi;R38,R41. F;R11.

**Human health** Persons with a history of skin sensitization problems should not be employed in any process in which this product is used.

**Environmental** This product may cause harm to the environment. See Section 12 Ecological Information.

**Physicochemical** See Section 7.2 Storage Class. See Section 5.2 Hazardous combustion products. See Section 10: Stability and reactivity

##### 2.2. Label elements

## ONE PACK ETCH PRIMER BLACK

### Pictogram



### Signal word

Danger

### Hazard statements

H225 Highly flammable liquid and vapour.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H318 Causes serious eye damage.  
 H336 May cause drowsiness or dizziness.  
 H411 Toxic to aquatic life with long lasting effects.

### Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P261 Avoid breathing vapour/spray.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P332+P313 If skin irritation occurs: Get medical advice/attention.  
 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.  
 P501 Dispose of contents/container in accordance with national regulations.

### Supplemental label information

EUH205 Contains epoxy constituents. May produce an allergic reaction.

### Contains

PROPAN-2-OL, XYLENE , BUTANONE, ISO-BUTANOL, BUTANOL-norm, EPOXY RESIN (Number average MW <= 700 ), TRIZINC BIS(ORTHOPHOSPHATE)

### Supplementary precautionary statements

P240 Ground/bond container and receiving equipment.  
 P241 Use explosion-proof electrical equipment.  
 P242 Use only non-sparking tools.  
 P243 Take precautionary measures against static discharge.  
 P264 Wash contaminated skin thoroughly after handling.  
 P271 Use only outdoors or in a well-ventilated area.  
 P272 Contaminated work clothing should not be allowed out of the workplace.  
 P273 Avoid release to the environment.  
 P302+P352 IF ON SKIN: Wash with plenty of water.  
 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.  
 P312 Call a POISON CENTER/doctor if you feel unwell.  
 P321 Specific treatment (see medical advice on this label).  
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
 P362+P364 Take off contaminated clothing and wash it before reuse.  
 P391 Collect spillage.  
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
 P405 Store locked up.

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

## ONE PACK ETCH PRIMER BLACK

<b>PROPAN-2-OL</b>		<b>30-60%</b>
CAS number: 67-63-0		EC number: 200-661-7
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Flam. Liq. 2 - H225	F;R11 Xi;R36 R67	
Eye Irrit. 2 - H319		
STOT SE 3 - H336		
<b>XYLENE</b>		<b>10-30%</b>
CAS number: 1330-20-7		EC number: 215-535-7
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Flam. Liq. 3 - H226	R10 Xn;R20/21 Xi;R38	
Acute Tox. 4 - H312		
Acute Tox. 4 - H332		
Skin Irrit. 2 - H315		
<b>BUTANONE</b>		<b>5-10%</b>
CAS number: 78-93-3		EC number: 201-159-0
M factor (Acute) = 1		
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Flam. Liq. 2 - H225	F;R11 Xi;R36 R66 R67	
Eye Irrit. 2 - H319		
STOT SE 3 - H336		
<b>ISOBUTYL METHYL KETONE</b>		<b>5-10%</b>
CAS number: 108-10-1		EC number: 203-550-1
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Flam. Liq. 2 - H225	F;R11 Xn;R20 Xi;R36/37 R66	
Acute Tox. 4 - H332		
Eye Irrit. 2 - H319		
STOT SE 3 - H335		
<b>ISO-BUTANOL</b>		<b>1-5%</b>
CAS number: 78-83-1		EC number: 201-148-0
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Flam. Liq. 3 - H226	R10 Xi;R37/38,R41 R67	
Skin Irrit. 2 - H315		
Eye Dam. 1 - H318		
STOT SE 3 - H335		

## ONE PACK ETCH PRIMER BLACK

<b>BUTANOL-norm</b>	<b>1-5%</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 - H336	<b>Classification (67/548/EEC or 1999/45/EC)</b> R10 Xn;R22 Xi;R37/38,R41 R67
<b>EPOXY RESIN (Number average MW &lt;= 700 )</b>	<b>1-5%</b>
CAS number: 25068-38-6	EC number: 500-033-5
<b>Classification</b> Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Aquatic Chronic 2 - H411	<b>Classification (67/548/EEC or 1999/45/EC)</b> R43 Xi;R36/38 N;R51/53
<b>PHOSPHORIC ACID ...%</b>	<b>1-5%</b>
CAS number: 7664-38-2	EC number: 231-633-2
<b>Classification</b> Skin Corr. 1B - H314	<b>Classification (67/548/EEC or 1999/45/EC)</b> C;R34
<b>TRIZINC BIS(ORTHOPHOSPHATE)</b>	<b>&lt;1%</b>
CAS number: 7779-90-0	EC number: 231-944-3
M factor (Acute) = 10	M factor (Chronic) = 10
<b>Classification</b> Acute Tox. 3 - H331 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	<b>Classification (67/548/EEC or 1999/45/EC)</b> N;R50/53
<b>ETHYLBENZENE</b>	<b>&lt;1%</b>
CAS number: 100-41-4	EC number: 202-849-4
<b>Classification</b> Flam. Liq. 2 - H225 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 2 - H411	<b>Classification (67/548/EEC or 1999/45/EC)</b> F;R11 Xn;R20

## ONE PACK ETCH PRIMER BLACK

<b>PHENOL</b>	<b>&lt;1%</b>
CAS number: 108-95-2	EC number: 203-632-7
<b>Classification</b> Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Muta. 2 - H341 STOT RE 2 - H373	<b>Classification (67/548/EEC or 1999/45/EC)</b> Muta. Cat. 3;R68 T;R23/24/25 C;R34 Xn;R48/20/21/22
<b>WHITE SPIRIT</b>	<b>&lt;1%</b>
CAS number: 64742-88-7	EC number: 265-191-7
<b>Classification</b> Flam. Liq. 3 - H226 STOT RE 1 - H372 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R65. N;R51/53. R10.
<b>ZINC OXIDE</b>	<b>&lt;1%</b>
CAS number: 1314-13-2	EC number: 215-222-5
M factor (Chronic) = 10	
<b>Classification</b> Aquatic Chronic 1 - H410	<b>Classification (67/548/EEC or 1999/45/EC)</b> N;R50/53

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>General information</b>	The severity of the symptoms described will vary depending on the concentration and the length of exposure. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
<b>Inhalation</b>	Get medical attention. Place unconscious person on their side in the recovery position and ensure breathing can take place. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention. Symptoms of lung oedema (shortness of breath) may develop up to 24 hours after exposure. Show this Safety Data Sheet to the medical personnel.
<b>Ingestion</b>	Remove affected person from source of contamination. Rinse mouth thoroughly with water. Give plenty of water to drink. DO NOT induce vomiting. Get medical attention immediately.
<b>Skin contact</b>	Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing. Use barrier creams to prevent skin contact. Remove contaminated clothing and rinse skin thoroughly with water.
<b>Eye contact</b>	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Show this Safety Data Sheet to the medical personnel.

## ONE PACK ETCH PRIMER BLACK

**Protection of first aiders** First aid personnel should wear appropriate protective equipment during any rescue. In case of insufficient ventilation, wear suitable respiratory equipment.

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

**General information** The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

**Inhalation** Harmful if inhaled Vapours may cause headache, fatigue, dizziness and nausea.

**Ingestion** Harmful if swallowed. May cause nausea, stomach pain and vomiting.

**Skin contact** Skin irritation. May cause sensitisation or allergic reactions in sensitive individuals.

**Eye contact** May cause severe eye irritation.

### 4.3. Indication of any immediate medical attention and special treatment needed

**Notes for the doctor** No specific recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY! In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media** Use fire-extinguishing media suitable for the surrounding fire. Extinguish with foam, carbon dioxide or dry powder.

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

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

**Specific hazards** Vapours are heavier than air and may travel along the floor and accumulate in the bottom of containers. Vapours may be ignited by a spark, a hot surface or an ember. Vapours may form explosive mixtures with air. If a fire or if heated, a pressure increase will occur and the container may burst with the risk of subsequent explosion. The product is flammable.

**Hazardous combustion products** In case of fire, toxic gases (CO, CO<sub>2</sub>, NO<sub>x</sub>) may be formed. Acrid smoke or fumes. Other pyrolysis products typical of burning an organic material. Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m<sup>3</sup>. In the event of a fire and/or explosion, do not breathe fumes.

### 5.3. Advice for firefighters

**Protective actions during firefighting** Containers close to fire should be removed or cooled with water. Do not allow water to contact any leaked material. Keep up-wind to avoid fumes. Control run-off water by containing and keeping it out of sewers and watercourses. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken without appropriate training or involving any personal risk.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## SECTION 6: Accidental release measures

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

## ONE PACK ETCH PRIMER BLACK

- Personal precautions** Do not handle broken packages without protective equipment. If ventilation is inadequate, suitable respiratory protection must be worn. Take care as floors and other surfaces may become slippery. Wash thoroughly after dealing with a spillage. Where anti slip aggregates, powders or similar are added/post added to a paint, the potential for the generation of respirable dust during handling and use can occur. In such cases, occupational exposures to respirable dust should be monitored and controlled. In the case of exposure to prolonged or high levels of air borne dust, wear a personal respirator in compliance with national legislation. No smoking, sparks, flames or other sources of ignition near spillage.
- For non-emergency personnel** Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear suitable respirator when ventilation is inadequate. Put on appropriate personal protective equipment. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering.
- For emergency responders** If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable materials. See also the information in "For non-emergency personnel".

### 6.2. Environmental precautions

- Environmental precautions** Do not discharge into drains or watercourses or onto the ground.

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

- Methods for cleaning up** No smoking, sparks, flames or other sources of ignition near spillage. Collect and place in suitable waste disposal containers and seal securely. If involved in a fire, shut off flow if it can be done without risk. Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Small Spillages: Absorb small quantities with paper towels and evaporate in a safe place. Large Spillages: Absorb in vermiculite, dry sand or earth and place into containers. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container. The accumulation of contaminated rags and application cloths may result in spontaneous combustion. This is particularly important in the case of products containing a high level of drying oils such as teak oil, linseed oil etc. Good housekeeping standards and regular safe removal of waste materials will minimise the risks of spontaneous combustion and other fire hazards.

### 6.4. Reference to other sections

- Reference to other sections** Wear protective clothing as described in Section 8 of this safety data sheet. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see section 13.

## **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

- Usage precautions** Avoid contact with skin and eyes. Eliminate all sources of ignition. Keep away from heat, sparks and open flame. All handling should only take place in well-ventilated areas. Static electricity and formation of sparks must be prevented. Dust may form explosive mixture with air. Take precautionary measures against static discharges. Storage tanks and other containers must be earthed. Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Paints based on pitch, coal tar, high temp (CAS 65996-93-2) may cause sensitivity to sunlight. To reduce sun sensitivity, a sun blocking lotion (SPE 15+) can also be applied prior to application of a protective cream.
- Advice on general occupational hygiene** Do not eat, drink or smoke when using this product. Wash promptly with soap and water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate hand lotion to prevent defatting and cracking of skin.

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

## ONE PACK ETCH PRIMER BLACK

<b>Storage precautions</b>	Keep away from food, drink and animal feeding stuffs. Keep away from oxidising materials, heat and flames. Paints containing aluminium must not get in contact with water during storage. Exercise caution when opening to allow pressure release. Keep container tightly closed and in a well-ventilated place. Avoid/separate from strong acids, alkalis, oxidising and reducing agents. Observe the label precautions. Containers which have been opened must be carefully resealed and kept upright to prevent leakage.
<b>Storage class</b>	Flammable liquid storage.
<b>7.3. Specific end use(s)</b>	
<b>Specific end use(s)</b>	The identified uses for this product are detailed in Section 1.2. Restricted to professional users.

### SECTION 8: Exposure Controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

##### **PROPAN-2-OL**

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m<sup>3</sup>

##### **XYLENE**

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

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

##### **BUTANONE**

Long-term exposure limit (8-hour TWA): WEL 200 ppm(Sk) 600 mg/m<sup>3</sup>(Sk)

Short-term exposure limit (15-minute): WEL 300 ppm(Sk) 899 mg/m<sup>3</sup>(Sk)

##### **ISOBUTYL METHYL KETONE**

Long-term exposure limit (8-hour TWA): WEL 50 ppm(Sk) 208 mg/m<sup>3</sup>(Sk)

Short-term exposure limit (15-minute): WEL 100 ppm(Sk) 416 mg/m<sup>3</sup>(Sk)

##### **ISO-BUTANOL**

Long-term exposure limit (8-hour TWA): WEL 50 ppm 154 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 75 ppm 231 mg/m<sup>3</sup>

##### **BUTANOL-norm**

Long-term exposure limit (8-hour TWA): WEL

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

##### **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>

##### **ETHYLBENZENE**

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

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

##### **PHENOL**

Long-term exposure limit (8-hour TWA): WEL 2 ppm(Sk)

Short-term exposure limit (15-minute): WEL

##### **WHITE SPIRIT**

Long-term exposure limit (8-hour TWA): WEL 350 mg/m<sup>3</sup>(Sk)

WEL = Workplace Exposure Limit

**Ingredient comments** WEL = Workplace Exposure Limits



# ONE PACK ETCH PRIMER BLACK

## XYLENE (CAS: 1330-20-7)

DNEL

- Inhalation; Short term : 442 mg/m<sup>3</sup>

### 8.2. Exposure controls

#### Protective equipment



#### Note:

When spraying, the use of a suitable/approved respirator is advised.

#### Appropriate engineering controls

No specific ventilation requirements noted, but forced ventilation may still be required if air contamination exceeds acceptable level.

#### Personal protection

Advice on personal protection is applicable for high exposure levels. Select proper personal protection based on a risk assessment of the actual exposure scenario.

#### Eye/face protection

The following protection should be worn: Chemical splash goggles. Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

#### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with European Standard EN374.

#### Other skin and body protection

Wear appropriate clothing to prevent skin contamination. Use barrier creams to prevent skin contact.

#### Hygiene measures

Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station. Provide eyewash station and safety shower. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated.

#### Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn. Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked.

#### Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. Keep container tightly sealed when not in use.

## SECTION 9: Physical and Chemical Properties

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

Appearance	Liquid.
Colour	Black.
Odour	Characteristic/of solvents
Odour threshold	Not determined.
pH	Not relevant.
Melting point	Not determined.
Initial boiling point and range	Not determined.

## ONE PACK ETCH PRIMER BLACK

<b>Flash point</b>	-4°C CC (Closed cup).
<b>Evaporation rate</b>	Not determined.
<b>Evaporation factor</b>	Not determined.
<b>Flammability (solid, gas)</b>	No specific test data are available.
<b>Other flammability</b>	Not known.
<b>Vapour pressure</b>	Not determined.
<b>Vapour density</b>	Not determined.
<b>Relative density</b>	~ 0.96 @ @ 20°C
<b>Bulk density</b>	Not determined.
<b>Solubility(ies)</b>	Soluble in the following materials: Organic solvents.
<b>Partition coefficient</b>	Not available.
<b>Auto-ignition temperature</b>	Not determined.
<b>Decomposition Temperature</b>	Not determined.
<b>Viscosity</b>	Not determined.
<b>Explosive properties</b>	May form explosive mixtures with air.
<b>Explosive under the influence of a flame</b>	Not considered to be explosive.
<b>Oxidising properties</b>	Not determined.
<b>Comments</b>	Information given is applicable to the product as supplied.

### 9.2. Other information

**Other information** Soluble in most organic solvents.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** The following materials may react with the product: Acids. Alkalis. Oxidising materials.

### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures and when used as recommended. Further information on correct storage: refer to Section 7.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** None under normal processing Vapours may form explosive mixtures with air.

### 10.4. Conditions to avoid

**Conditions to avoid** Avoid heat, flames and other sources of ignition. Avoid contact with strong oxidising agents. Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to conditions to heat or sources of ignition. Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m<sup>3</sup>. Avoid extremes of temperature and direct sunlight.

### 10.5. Incompatible materials

**Materials to avoid** Strong oxidising agents.

### 10.6. Hazardous decomposition products

## ONE PACK ETCH PRIMER BLACK

**Hazardous decomposition products** Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Oxides of nitrogen. Acrid smoke or fumes. In case of fire and/or explosion, do not breaths fumes.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity - oral

ATE oral (mg/kg) 99,255.58312655

##### Acute toxicity - dermal

ATE dermal (mg/kg) 9,452.0251913

##### Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 23.74086036

#### **General information**

This product is unlikely to harm health, given normal and proper handling and hygienic precautions. Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

#### **Inhalation**

Harmful by inhalation. Irritating to respiratory system.

#### **Ingestion**

Irritating. May cause nausea, stomach pain and vomiting.

#### **Skin contact**

Harmful in contact with skin. Irritating to skin.

#### **Eye contact**

Harmful in contact with eyes. Irritating to eyes.

#### **Route of entry**

Inhalation Ingestion. Skin and/or eye contact Oral

#### **Additional Information:**

For further information, please refer to Sections 4 and 8 respectively..

#### Toxicological information on ingredients.

#### XYLENE

**Toxicological effects** Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. High vapour concentrations can cause headaches, dizziness and nausea.

##### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 4,300.0

Species Rat

##### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> mg/kg) 2,000.0

Species Rabbit

ATE dermal (mg/kg) 2,000.0

##### Acute toxicity - inhalation

Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l) 11.0

Species Rat

## ONE PACK ETCH PRIMER BLACK

<b>ATE inhalation (vapours mg/l)</b>	11.0
<b><u>Skin corrosion/irritation</u></b>	
<b>Animal data</b>	No information available.
<b>Human skin model test</b>	Irritating.
<b><u>Serious eye damage/irritation</u></b>	
<b>Serious eye damage/irritation</b>	Causes eye irritation
<b><u>Respiratory sensitisation</u></b>	
<b>Respiratory sensitisation</b>	There is no evidence that the product can cause respiratory hypersensitivity.
<b><u>Skin sensitisation</u></b>	
<b>Skin sensitisation</b>	No information available.
<b><u>Germ cell mutagenicity</u></b>	
<b>Genotoxicity - in vitro</b>	Negative.
<b>Genotoxicity - in vivo</b>	Negative.
<b><u>Carcinogenicity</u></b>	
<b>Carcinogenicity</b>	No evidence of carcinogenicity
<b><u>Reproductive toxicity</u></b>	
<b>Reproductive toxicity - fertility</b>	This substance has no evidence of toxicity to reproduction.
<b>Reproductive toxicity - development</b>	No information available.
<b><u>Specific target organ toxicity - single exposure</u></b>	
<b>STOT - single exposure</b>	Central and/or peripheral nervous system damage.
<b>Target organs</b>	Central nervous system Liver Kidneys
<b><u>Specific target organ toxicity - repeated exposure</u></b>	
<b>STOT - repeated exposure</b>	No information available.
<b><u>Aspiration hazard</u></b>	
<b>Aspiration hazard</b>	Aspiration hazard if swallowed.
<b><u>General information</u></b>	
<b>General information</b>	Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.
<b>Inhalation</b>	Harmful by inhalation.
<b>Ingestion</b>	Irritating. May cause nausea, stomach pain and vomiting.
<b>Skin contact</b>	Harmful in contact with skin. Irritating to skin.
<b>Eye contact</b>	The product is irritating to eyes and skin.

## ONE PACK ETCH PRIMER BLACK

<b>Route of entry</b>	Oral Skin and/or eye contact Inhalation Ingestion
<b>Target organs</b>	Central nervous system
<b>Medical symptoms</b>	Allergies. Irritation of eyes and mucous membranes. Headache. Fatigue. Dizziness.

### ISOBUTYL METHYL KETONE

<b>Toxicological effects</b>	Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. High vapour concentrations can cause headaches, dizziness and nausea.
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#### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 2,001.0

**Species** Rat

**ATE oral (mg/kg)** 2,001.0

#### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 2,001.0

**Species** Rat

**ATE dermal (mg/kg)** 2,001.0

#### Acute toxicity - inhalation

**Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l)** 2.1

**Species** Rat

**ATE inhalation (vapours mg/l)** 11.0

#### Serious eye damage/irritation

**Serious eye damage/irritation** Causes eye irritation

#### Respiratory sensitisation

**Respiratory sensitisation** No specific test data are available.

#### Skin sensitisation

**Skin sensitisation** Not sensitising.

#### Germ cell mutagenicity

**Genotoxicity - in vitro** Negative.

**Genotoxicity - in vivo** No information available.

#### Carcinogenicity

**Carcinogenicity** No specific test data are available.

#### Reproductive toxicity

## ONE PACK ETCH PRIMER BLACK

**Reproductive toxicity - fertility** Not known.

**Reproductive toxicity - development** No information available.

**Specific target organ toxicity - single exposure**

**STOT - single exposure** No specific test data are available.

**Specific target organ toxicity - repeated exposure**

**STOT - repeated exposure** No specific test data are available.

**Aspiration hazard**

**Aspiration hazard** No information available.

**General information** Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

**Inhalation** Harmful by inhalation.

**Ingestion** Harmful if swallowed.

**Skin contact** Repeated exposure may cause skin dryness and cracking.

**Eye contact** Irritating to eyes.

**Route of entry** Inhalation Ingestion

**Target organs** Brain Respiratory system, lungs Mucous membranes

**Medical symptoms** Skin irritation. Allergies. Headache. Fatigue. Dizziness.

### **BUTANOL-norm**

**Toxicological effects** Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. High vapour concentrations can cause headaches, dizziness and nausea.

**Acute toxicity - oral**

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 2,000.0

**Species** Rat

**ATE oral (mg/kg)** 2,000.0

**Acute toxicity - dermal**

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 2,001.0

**Species** Rat

**ATE dermal (mg/kg)** 2,001.0

**Serious eye damage/irritation**

## ONE PACK ETCH PRIMER BLACK

<b>Serious eye damage/irritation</b>	Risk of serious damage to eyes.
<b><u>Respiratory sensitisation</u></b>	
<b>Respiratory sensitisation</b>	No information available.
<b><u>Skin sensitisation</u></b>	
<b>Skin sensitisation</b>	Irritating
<b><u>Germ cell mutagenicity</u></b>	
<b>Genotoxicity - in vitro</b>	This substance has no evidence of mutagenic properties.
<b>Genotoxicity - in vivo</b>	This substance has no evidence of mutagenic properties.
<b><u>Carcinogenicity</u></b>	
<b>Carcinogenicity</b>	No information available.
<b><u>Reproductive toxicity</u></b>	
<b>Reproductive toxicity - fertility</b>	No information available.
<b>Reproductive toxicity - development</b>	No information available.
<b><u>Specific target organ toxicity - single exposure</u></b>	
<b>STOT - single exposure</b>	No information available.
<b>Target organs</b>	Central nervous system Eyes Kidneys Liver Respiratory system, lungs
<b><u>Specific target organ toxicity - repeated exposure</u></b>	
<b>STOT - repeated exposure</b>	No information available.
<b>Target organs</b>	Central nervous system Eyes Liver Kidneys Respiratory system, lungs
<b><u>Aspiration hazard</u></b>	
<b>Aspiration hazard</b>	No information available.
<b><u>General information</u></b>	
<b>General information</b>	Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.
<b>Inhalation</b>	Irritating to respiratory system. Vapours may irritate throat and respiratory system and cause headache, dizziness and dullness.
<b>Ingestion</b>	Swallowing concentrated chemical may cause severe internal injury.
<b>Skin contact</b>	Harmful in contact with skin. Irritating. This product is corrosive.
<b>Eye contact</b>	Irritating and may cause redness and pain. Dust may irritate the eyes and the respiratory system.
<b>Route of entry</b>	Inhalation Ingestion Skin absorption Skin and/or eye contact
<b>Target organs</b>	Central nervous system Eyes Kidneys Liver Respiratory system, lungs Skin
<b>Medical symptoms</b>	Irritability. Irritation of eyes and mucous membranes. Headache. Dizziness. Allergies.

## ONE PACK ETCH PRIMER BLACK

### SECTION 12: Ecological Information

#### 12.1. Toxicity

**Toxicity** This product contains substances which are harmful to aquatic organisms. Do not discharge into drains, water courses or onto the ground.

#### Ecological information on ingredients.

##### BUTANONE

**Toxicity** This product contains substances which are harmful to aquatic organisms. Do not discharge into drains, water courses or onto the ground.

#### Acute aquatic toxicity

**LE(C)<sub>50</sub>** 0.1 < L(E)C50 ≤ 1

**M factor (Acute)** 1

**Acute toxicity - fish** , LC50 48 hours > 100 mg/lit (Golden Orfe) : ,

**Acute toxicity - aquatic invertebrates** No information available.

**Acute toxicity - aquatic plants** No information available.

**Acute toxicity - microorganisms** No information available.

**Acute toxicity - terrestrial** No information available.

##### EPOXY RESIN (Number average MW ≤ 700 )

**Toxicity** This product contains substances which are harmful to aquatic organisms. Do not discharge into drains, water courses or onto the ground. The acute aquatic toxicity data is based on the values for the epoxy resin (number av. mol. wt. ≤700).

**Acute toxicity - fish** , LC50 96 hours 1.3 mmg/lit (Fish - Trout) : ,

**Acute toxicity - aquatic invertebrates** , EC50 48 hours 2.1 mg/lit (Daphnia) : ,

**Acute toxicity - aquatic plants** No information available.

**Acute toxicity - microorganisms** , LC50 72 hours > 11mg/lit (Algae) : ,

**Acute toxicity - terrestrial** No information available.

##### TRIZINC BIS(ORTHOPHOSPHATE)

**Toxicity** This product contains substances which are harmful to aquatic organisms. Do not discharge into drains, water courses or onto the ground.

#### Acute aquatic toxicity

**LE(C)<sub>50</sub>** 0.01 < L(E)C50 ≤ 0.1



## ONE PACK ETCH PRIMER BLACK

<b>M factor (Acute)</b>	10
<b>Acute toxicity - fish</b>	No information available
<b>Acute toxicity - aquatic invertebrates</b>	, EC50 48 hours 0.413 mg Zn <sup>++</sup> /lt (Ceriodaphnia dubia) : EC50 48 hours 2.44 mg Zn <sub>3</sub> (P <sub>04</sub> )/lt (Ceriodaphnia dubia) ,
<b>Acute toxicity - aquatic plants</b>	No information available.
<b>Acute toxicity - microorganisms</b>	, ErC50 72 hours 0.136 mg Zn <sup>++</sup> /lt (Senastrum capricornutum) : EC50 72 hours 0.8 mg Zn <sub>3</sub> (P <sub>04</sub> ) <sub>2</sub> (Senastrum capricornutum) ,
<b>Acute toxicity - terrestrial</b>	No information available.
<b><u>Chronic aquatic toxicity</u></b>	
<b>M factor (Chronic)</b>	10

### ZINC OXIDE

<b>Toxicity</b>	This product contains substances which are harmful to aquatic organisms. Do not discharge into drains, water courses or onto the ground.
<b><u>Acute aquatic toxicity</u></b>	
<b>LE(C)<sub>50</sub></b>	0.1 < L(E)C <sub>50</sub> ≤ 1
<b>Acute toxicity - fish</b>	, LC <sub>50</sub> 96 hours 50.6 mg/lt (Poecilia Reticulata - guppy) : ,
<b>Acute toxicity - aquatic invertebrates</b>	, EC <sub>50</sub> 48 hours 49.1 mg/lt (Gammarus fassciatus (freshwater shrimp)) : ,
<b>Acute toxicity - aquatic plants</b>	No information available.
<b>Acute toxicity - microorganisms</b>	, EC <sub>50</sub> 72 hours 184.57m mg/lt (Scenedesmus capricornutum (fresh water algae)) : ,
<b>Acute toxicity - terrestrial</b>	No information available.
<b><u>Chronic aquatic toxicity</u></b>	
<b>M factor (Chronic)</b>	10

### 12.2. Persistence and degradability

**Persistence and degradability** Solvent will evaporate, residue will not readily biodegrade. There are no data on the degradability of this product.

### Ecological information on ingredients.

#### BUTANONE

<b>Persistence and degradability</b>	The product is readily biodegradable.
<b>Biodegradation</b>	The substance is readily biodegradable.

#### EPOXY RESIN (Number average MW ≤ 700 )

## ONE PACK ETCH PRIMER BLACK

**Persistence and degradability** This substance is not readily degradable.

**Biodegradation** Not readily biodegradable.

### TRIZINC BIS(ORTHOPHOSPHATE)

**Persistence and degradability** No data available.

**Biodegradation** No data available.

### ZINC OXIDE

**Persistence and degradability** This substance is not readily degradable.

**Biodegradation** No data available.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** The product contains potentially bioaccumulating substances.

**Partition coefficient** Not available.

#### Ecological information on ingredients.

### BUTANONE

**Bioaccumulative potential** The product is not bioaccumulating.

### EPOXY RESIN (Number average MW <= 700 )

**Bioaccumulative potential** Low potential for bioaccumulation.

### TRIZINC BIS(ORTHOPHOSPHATE)

**Bioaccumulative potential** No data available on bioaccumulation.

### ZINC OXIDE

**Bioaccumulative potential** No data available on bioaccumulation.

#### 12.4. Mobility in soil

**Mobility** The product is insoluble in water. Mobile liquid, solvent will evaporate leaving a semi-solid mass.

#### Ecological information on ingredients.

### BUTANONE

**Mobility** The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

### EPOXY RESIN (Number average MW <= 700 )

**Mobility** Not considered mobile.

## ONE PACK ETCH PRIMER BLACK

### TRIZINC BIS(ORTHOPHOSPHATE)

**Mobility** No information available.

### ZINC OXIDE

**Mobility** The product is non-volatile.

#### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

#### Ecological information on ingredients.

### BUTANONE

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### EPOXY RESIN (Number average MW <= 700 )

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### TRIZINC BIS(ORTHOPHOSPHATE)

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### ZINC OXIDE

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

#### 12.6. Other adverse effects

**Other adverse effects** Not known.

#### Ecological information on ingredients.

### ZINC OXIDE

**Other adverse effects** Aqueous solutions are strongly alkaline (pH in the region of 10 - 12).

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. This material and its container must be disposed of in a safe way. The generation of waste should be minimised or avoided wherever possible. The company encourages the recycle, recovery and reuse of materials, wherever possible.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Avoid the spillage or runoff entering drains, sewers or watercourses. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions. Dispose of waste via a licensed waste disposal contractor. Dispose of contents/container in accordance with national regulations.

## ONE PACK ETCH PRIMER BLACK

### SECTION 14: Transport information

**General** To avoid the risk of spillage, always store and transport in a secure, upright position. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

#### 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
Proper shipping name (IMDG)	PAINT
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
IMDG subsidiary risk	Not applicable
ICAO class/division	3
ADN class	3

#### Transport labels



#### 14.4. Packing group

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

#### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

No.

#### 14.6. Special precautions for user

EmS	F-E, S-E
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## ONE PACK ETCH PRIMER BLACK

ADR transport category 2  
 Emergency Action Code •3YE  
 Hazard Identification Number 33  
 (ADR/RID)  
 Tunnel restriction code (D/E)

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

### SECTION 15: Regulatory information

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

**National regulations** Petroleum (Consolidation) Act, as amended 1984 SI 1244.  
 Highly Flammable Liquid Regulations 1972.  
 Rivers (Prevention of Pollution) Act 1961.  
 Control of Pollution (Special Waste) Regulations 1980 (as amended).

**EU legislation** System of specific information relating to Dangerous Preparations. 2001/58/EC.

**Guidance** Workplace Exposure Limits EH40.  
 Introduction to Local Exhaust Ventilation HS(G)37.  
 CHIP for everyone HSG228.  
 Approved Classification and Labelling Guide (Sixth edition) L131.

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

**General information** Product to be used in industrial and/or professional applications.

**Issued by** BOD

**Revision date** 08/04/2015

**Revision** 0

**SDS number** 20291

## ONE PACK ETCH PRIMER BLACK

### Risk phrases in full

R10 Flammable.  
R11 Highly flammable.  
R20 Harmful by inhalation.  
R20/21 Harmful by inhalation and in contact with skin.  
R22 Harmful if swallowed.  
R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.  
R34 Causes burns.  
R36 Irritating to eyes.  
R36/37 Irritating to eyes and respiratory system.  
R37/38 Irritating to respiratory system and skin.  
R38 Irritating to skin.  
R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.  
R41 Risk of serious damage to eyes.  
R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.  
R48/20/21/22 Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R63 Possible risk of harm to the unborn child.  
R65 Harmful: may cause lung damage if swallowed.  
R66 Repeated exposure may cause skin dryness or cracking.  
R67 Vapours may cause drowsiness and dizziness.  
R68 Possible risk of irreversible effects.

### Hazard statements in full

H225 Highly flammable liquid and vapour.  
H226 Flammable liquid and vapour.  
H301 Toxic if swallowed.  
H302 Harmful if swallowed.  
H304 May be fatal if swallowed and enters airways.  
H311 Toxic in contact with skin.  
H312 Harmful in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H331 Toxic if inhaled.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
H341 Suspected of causing genetic defects.  
H372 Causes damage to organs through prolonged or repeated exposure.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H411 Toxic to aquatic life with long lasting effects.

The product should not be used for the purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. 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.