

## Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 30.07.2008

Revision: 30.07.2008

### 1 Identification of the substance/preparation and of the company/undertaking

· **Product details**

· **Trade name:** ProXL - ProETCH

· **Article number:** AC03

· **Application of the substance / the preparation** Paint

· **Manufacturer/Supplier:**

ProXL

Second Avenue

Chatham

Kent

ME4 5AU

Tel: +44(0)1634823900

Fax: +44(0)1634813807

Email: info@pro-xl.co.uk

· **Further information obtainable from:** QHSE Department

· **Information in case of emergency:** Tel: +44(0) 1634 823900 (08.00 / 17.00)

### 2 Hazards identification

· **Hazard description:**



Xi Irritant

F+ Extremely flammable

N Dangerous for the environment

· **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

Warning! Pressurized container.

Has a narcotizing effect.

R 12 Extremely flammable.

R 36 Irritating to eyes.

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 66 Repeated exposure may cause skin dryness or cracking.

R 67 Vapours may cause drowsiness and dizziness.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.

Keep out of the reach of children

· **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

· **GHS label elements**



**Danger**

2.2/1 - Extremely flammable gas.

2.3/1 - Extremely flammable aerosol.

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**Warning**

- 3.3/2A - Causes serious eye irritation.  
 3.8/3 - May cause drowsiness or dizziness.  
**Warning**  
 3.1/5 - May be harmful in contact with skin.



- 4.1/2 - Toxic to aquatic life with long lasting effects.

**Prevention:**

- Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
 Do not spray on an open flame or other ignition source.  
 Pressurized container: Do not pierce or burn, even after use.  
 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 Wash thoroughly after handling.  
 Use only outdoors or in a well-ventilated area.  
 Avoid release to the environment.  
 Wear protective gloves/protective clothing/eye protection/face protection.

**Response:**

- IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
 Continue rinsing.  
 Call a POISON CENTER or doctor/physician if you feel unwell.  
 If eye irritation persists: Get medical advice/attention.  
 Leaking gas fire: Do not extinguish, unless leak can be stopped safely.  
 Eliminate all ignition sources if safe to do so.  
 Collect spillage.

**Storage:**

- Store in a well-ventilated place.  
 Store in a well-ventilated place. Keep container tightly closed.  
 Store locked up.  
 Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.

**Disposal:**

- Dispose of contents/container in accordance with local/regional/national/international regulations.

## 3 Composition/information on ingredients

**Chemical characterization**

- Description:** Mixture of substances listed below with nonhazardous additions.

**Dangerous components:**

CAS: 67-64-1	acetone	20-25%
EINECS: 200-662-2	Xi,  F; R 11-36-66-67 Danger:  2.6/2 Warning:  3.3/2A, 3.8/3	

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CAS: 115-10-6 EINECS: 204-065-8	dimethyl ether F+; R 12 Danger:  2.2/1 Warning:  2.5/L	12.5-20%
CAS: 74-98-6 EINECS: 200-827-9	propane F+; R 12 Danger:  2.2/1 Warning:  2.5/L	5-10%
CAS: 141-78-6 EINECS: 205-500-4	ethyl acetate Xi,  F; R 11-36-66-67 Danger:  2.6/2 Warning:  3.3/2A, 3.8/3	5-10%
CAS: 1330-20-7 EINECS: 215-535-7	xylene Xn,  Xi; R 10-20/21-38 Danger:  3.1.D/3, 3.1.I/4, 3.2/2 Warning:  2.6/3	5-10%
CAS: 78-93-3 EINECS: 201-159-0	butanone Xi,  F; R 11-36-66-67 Danger:  2.6/2 Warning:  3.3/2A, 3.8/3	2.5-5%
CAS: 106-97-8 EINECS: 203-448-7	butane F+; R 12 Danger:  2.2/1 Warning:  2.5/L	2.5-5%
CAS: 75-28-5 EINECS: 200-857-2	isobutane F+; R 12 Danger:  2.2/1 Warning:  2.5/L	2.5-5%
CAS: 108-65-6 EINECS: 203-603-9	2-methoxy-1-methylethyl acetate Xi; R 10-36 Warning:  2.6/3;  3.3/2A	2.5-5%
CAS: 123-86-4 EINECS: 204-658-1	n-butyl acetate R 10-66-67 Warning:  2.6/3;  3.8/3	2.5-5%
CAS: 71-36-3 EINECS: 200-751-6	butan-1-ol Xn,  Xi; R 10-22-37/38-41-67 Danger:  3.1.O/3, 3.2/2, 3.8/3;  3.3/1 Warning:  2.6/3	2.5-5%
CAS: 64742-95-6 EINECS: 265-199-0	Solvent naphtha (petroleum), light arom. Xn,  Xi,  N; R 10-37-51/53-65-66-67 Danger:  3.10/1 Warning:  2.6/3;  3.8/3 4.1.C/2	2.5-5%
CAS: 7779-90-0 EINECS: 231-944-3	trizinc bis(orthophosphate) N; R 50/53 Warning:  4.1.C/1	1-2.5%
CAS: 67-63-0 EINECS: 200-661-7	propan-2-ol Xi,  F; R 11-36-67 Danger:  2.6/2 Warning:  3.3/2A, 3.8/3	1-2.5%

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· **Additional information:** For the wording of the listed risk phrases refer to section 16.

## 4 First-aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** Drink plenty of water and provide fresh air. Call for a doctor immediately.

## 5 Fire-fighting measures

- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Protective equipment:** No special measures required.

## 6 Accidental release measures

- **Person-related safety precautions:** Ensure adequate ventilation
- **Measures for environmental protection:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:** Ensure adequate ventilation.

## 7 Handling and storage

- **Handling:**
- **Information for safe handling:**  
No special measures required.  
Ensure good ventilation/exhaustion at the workplace.  
Open and handle receptacle with care.
- **Information about fire - and explosion protection:**  
Do not spray onto a naked flame or any incandescent material.  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.  
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Store in a cool location.  
Observe official regulations on storing packagings with pressurized containers.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Keep container tightly sealed.  
Do not seal receptacle gas tight.  
Store in cool, dry conditions in well sealed receptacles.

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Protect from heat and direct sunlight.

## 8 Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

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

### 67-64-1 acetone

WEL	Short-term value: 3620 mg/m <sup>3</sup> , 1500 ppm
	Long-term value: 1210 mg/m <sup>3</sup> , 500 ppm

### 115-10-6 dimethyl ether

WEL	Short-term value: 958 mg/m <sup>3</sup> , 500 ppm
	Long-term value: 766 mg/m <sup>3</sup> , 400 ppm

### 141-78-6 ethyl acetate

WEL	Short-term value: 400 ppm
	Long-term value: 200 ppm

### 1330-20-7 xylene

WEL	Short-term value: 441 mg/m <sup>3</sup> , 100 ppm
	Long-term value: 220 mg/m <sup>3</sup> , 50 ppm
	Sk; BMGV

### 78-93-3 butanone

WEL	Short-term value: 899 mg/m <sup>3</sup> , 300 ppm
	Long-term value: 600 mg/m <sup>3</sup> , 200 ppm
	Sk

### 106-97-8 butane

WEL	Short-term value: 1810 mg/m <sup>3</sup> , 750 ppm
	Long-term value: 1450 mg/m <sup>3</sup> , 600 ppm
	Carc (if more than 0.1% of buta-1.3-diene)

### 108-65-6 2-methoxy-1-methylethyl acetate

WEL	Short-term value: 548 mg/m <sup>3</sup> , 100 ppm
	Long-term value: 274 mg/m <sup>3</sup> , 50 ppm
	Sk

### 123-86-4 n-butyl acetate

WEL	Short-term value: 966 mg/m <sup>3</sup> , 200 ppm
	Long-term value: 724 mg/m <sup>3</sup> , 150 ppm

### 71-36-3 butan-1-ol

WEL	Short-term value: 154 mg/m <sup>3</sup> , 50 ppm
	Sk

### 67-63-0 propan-2-ol

WEL	Short-term value: 1250 mg/m <sup>3</sup> , 500 ppm
	Long-term value: 999 mg/m <sup>3</sup> , 400 ppm

· **Additional information:** The lists valid during the making were used as basis.

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

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- Avoid contact with the eyes.  
Avoid contact with the eyes and skin.
- **Respiratory protection:** Not required.
  - **Protection of hands:** Not required.
  - **Material of gloves:** Not required.
  - **Penetration time of glove material:** Not required.
  - **Eye protection:**



Tightly sealed goggles

## 9 Physical and chemical properties

### · General Information

<b>Form:</b>	Aerosol
<b>Colour:</b>	According to product specification
<b>Odour:</b>	Characteristic

### · Change in condition

<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	Not applicable, as aerosol.

<b>· Flash point:</b>	< 0°C (< 32°F) Not applicable, as aerosol.
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<b>· Ignition temperature:</b>	235°C (455°F)
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<b>· Self-igniting:</b>	Product is not selfigniting.
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<b>· Danger of explosion:</b>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
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### · Explosion limits:

<b>Lower:</b>	2.6 Vol %
<b>Upper:</b>	18.6 Vol %

<b>· Vapour pressure at 20°C (68°F):</b>	4000 hPa (3000 mm Hg)
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<b>· Density at 20°C (68°F):</b>	0.826 g/cm <sup>3</sup>
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<b>· Solubility in / Miscibility with water:</b>	Not miscible or difficult to mix.
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### · Solvent content:

<b>Organic solvents:</b>	74.6 %
<b>· EU-VOC:</b>	692.1 g/l
<b>· EU-VOC in %:</b>	83.78 %

<b>· Solids content:</b>	25.4 %
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## 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions:** No dangerous reactions known.

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· **Dangerous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

· **Acute toxicity:**· **LD/LC50 values relevant for classification:****67-64-1 acetone**

Oral	LD50	5800 mg/kg (rat)
Dermal	LD50	20000 mg/kg (rabbit)
	LC50 / 4 h	39 mg/m <sup>3</sup> (rat)

**115-10-6 dimethyl ether**

	LC50 / 4 h	308 mg/m <sup>3</sup> (rat)
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**141-78-6 ethyl acetate**

Oral	LD50	5620 mg/kg (rabbit)
Dermal	LD50	>18000 mg/kg (rabbit)
	LC50 / 4 h	1600 mg/m <sup>3</sup> (rat)

**1330-20-7 xylene**

Oral	LD50	4300 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rabbit)
	LC50 / 4 h	22.1 mg/m <sup>3</sup> (rat)

**78-93-3 butanone**

Oral	LD50	2737 mg/kg (rat)
Dermal	LD50	6480 mg/kg (rabbit)
	LC50 / 4 h	34 mg/m <sup>3</sup> (rat)

**106-97-8 butane**

	LC50 / 4 h	658 mg/m <sup>3</sup> (rat)
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**108-65-6 2-methoxy-1-methylethyl acetate**

Oral	LD50	8532 mg/kg (rat)
Dermal	LD50	>5000 mg/kg (rabbit)
	LC50 / 4 h	35.7 mg/m <sup>3</sup> (rat)

**123-86-4 n-butyl acetate**

Oral	LD50	10770 mg/kg (rat)
Dermal	LD50	>17600 mg/kg (rabbit)
	LC50 / 4 h	>21.0 mg/m <sup>3</sup> (rat)

**71-36-3 butan-1-ol**

Oral	LD50	4400 mg/kg (rat)
Dermal	LD50	4200 mg/kg (rabbit)
	LC50 / 4 h	25 mg/m <sup>3</sup> (rat)

**64742-95-6 Solvent naphtha (petroleum), light arom.**

Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>3000 mg/kg (rab)
	LC50 / 4 h	>15 mg/m <sup>3</sup> (rat)

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**7779-90-0 trizinc bis(orthophosphate)**

Oral	LD50	522 mg/kg (mouse) >5000 mg/kg (rat)
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**67-63-0 propan-2-ol**

Oral	LD50	5045 mg/kg (rat)
Dermal	LD50	12800 mg/kg (rabbit)
	LC50 / 4 h	30 mg/m <sup>3</sup> (rat)

· **Primary irritant effect:**· **on the skin:** No irritant effect.· **on the eye:** Irritating effect.· **Sensitization:** No sensitizing effects known.· **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant

**12 Ecological information**· **Ecotoxicological effects:**· **Acquatic toxicity:****67-64-1 acetone**

EC50 / 48 h	39 mg/l (daphnia magna)
LC50 / 48 h	2262 mg/l (daphnia magna)
LC50 / 96 h (static)	5540 mg/l (fish)

**115-10-6 dimethyl ether**

EC50 / 48 h	>4000 mg/l (daphnia magna)
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**141-78-6 ethyl acetate**

EC50 / 24 h	2500 mg/l (daphnia magna)
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**1330-20-7 xylene**

EC50 / 48 h	7.4 mg/l (daphnia magna)
LC50 / 96 h	13.5 mg/l (fish)

**108-65-6 2-methoxy-1-methylethyl acetate**

EC50	408 mg/l (daphnia magna)
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**123-86-4 n-butyl acetate**

EC50 / 96 h	320 mg/l (algae)
LC50 / 24 h	205 mg/l (daphnia magna)

**71-36-3 butan-1-ol**

EC50 / 48 h	1983 mg/l (daphnia magna)
EC50 / 72 h	8500 mg/l (algae)

**64742-95-6 Solvent naphtha (petroleum), light arom.**

EC50 / 24 h	150 mg/l (daphnia magna)
EC50 / 48 h	7.4 mg/l (daphnia magna)
LC50 / 96 h	3.77 mg/l (fish)

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**7779-90-0 trizinc bis(orthophosphate)**

EC50 / 48 h 0.04 mg/l (daphnia magna)

EC50 / 72 h 0.136 mg/l (algae)

LC50 / 96 h 0.14 mg/l (fish)

**67-63-0 propan-2-ol**

EC50 / 48 h 13299 mg/l (daphnia magna)

LC50 / 96 h (dynamic) 4200 mg/l (fish)

· **Remark:** Toxic for fish· **General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

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

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

**13 Disposal considerations**· **Product:**· **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **European waste catalogue**

08 01 11 waste paint and varnish containing organic solvents or other dangerous substances

15 01 04 metallic packaging

· **Uncleaned packaging:**· **Recommendation:** Disposal must be made according to official regulations.**14 Transport information**· **Land transport ADR/RID (cross-border)**· **ADR/RID class:** 2 5F Gases.· **Danger code (Kemler):** -· **UN-Number:** 1950· **Packaging group:** -· **Hazard label** 2.1· **Description of goods:** 1950 AEROSOLS· **Limited quantities (LQ)** LQ2· **Transport category** 2· **Tunnel restriction code** B1D

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· **Maritime transport IMDG:**



- **IMDG Class:** 2.1
- **UN Number:** 1950
- **Label** 2.1
- **Packaging group:** -
- **EMS Number:** F-D,S-U
- **Marine pollutant:** No
- **Proper shipping name:** AEROSOLS

· **Air transport ICAO-TI and IATA-DGR:**



- **ICAO/IATA Class:** 2.1
- **UN/ID Number:** 1950
- **Label** 2.1
- **Packaging group:** -
- **Proper shipping name:** AEROSOLS, flammable
- **UN "Model Regulation":** UN1950, AEROSOLS, 2.1

**15 Regulatory information**

· **Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

· **Code letter and hazard designation of product:**



Xi Irritant  
F+ Extremely flammable  
N Dangerous for the environment

· **Risk phrases:**

- 12 Extremely flammable.
- 36 Irritating to eyes.
- 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 66 Repeated exposure may cause skin dryness or cracking.
- 67 Vapours may cause drowsiness and dizziness.

· **Safety phrases:**

- 2 Keep out of the reach of children.
- 23 Do not breathe aerosol.
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
- 46 If swallowed, seek medical advice immediately and show this container or label.
- 51 Use only in well-ventilated areas.

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· **Special labelling of certain preparations:**

*Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.*

*Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children*

**16 Other information**

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

· **Relevant R-phrases**

10 Flammable.

11 Highly flammable.

12 Extremely flammable.

20/21 Harmful by inhalation and in contact with skin.

22 Harmful if swallowed.

36 Irritating to eyes.

37 Irritating to respiratory system.

37/38 Irritating to respiratory system and skin.

38 Irritating to skin.

41 Risk of serious damage to eyes.

50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

65 Harmful: may cause lung damage if swallowed.

66 Repeated exposure may cause skin dryness or cracking.

67 Vapours may cause drowsiness and dizziness.

· **Department issuing MSDS: QHSE Department**

· **Contact: QHSE-Department**

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement internationale concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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