Safety data sheet
according to 1907/2006/EC, Article 31

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

· **1.1 Product identifier**
· **Trade name: ProXL® ZINC PRIMER 500 ML**

· **Article number:** PROZINC
· **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
· **Application of the substance / the mixture** Paint

· **1.3 Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
ProXL
Second Avenue
Chatham
Kent
ME4 5AU
Tel: +44 (0)1634 823900
Fax: +44 (0)1634 823909
Email: info@pro-xl.co.uk

· **Further information obtainable from:** QHSE Department
· **1.4 Emergency telephone number:**
Tel: +44(0) 1634 823900 (08.00 / 17.00)

+31 629058130 (24 h/d, 7 d/wk)

*
SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**
· **Classification according to Regulation (EC) No 1272/2008**


GHS02 flame

Flam. Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.


GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.


GHS07

Skin Irrit. 2 H315 Causes skin irritation.
STOT SE 3 H336 May cause drowsiness or dizziness.

· **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

Xi; Irritant

R41: Risk of serious damage to eyes.


F+; Extremely flammable

R12: Extremely flammable.
R66-67: Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

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· ***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! Pressurised container.
Has a narcotising effect.
· ***Classification system:***
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

· ***2.2 Label elements***
· ***Labelling according to Regulation (EC) No 1272/2008***
The product is classified and labelled according to the CLP regulation.
· ***Hazard pictograms***

GHS02 GHS05 GHS07

· ***Signal word*** *Danger*

· ***Hazard-determining components of labelling:***
propan-1-ol
butanol
acetone
butan-1-ol
· ***Hazard statements***
H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H336 May cause drowsiness or dizziness.
· ***Precautionary statements***
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P260 Do not breathe spray.
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P251 Pressurized container: Do not pierce or burn, even after use.
P211 Do not spray on an open flame or other ignition source.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501 Dispose of contents/container in accordance with local regulations.
· ***Additional information:***
EUH066 Repeated exposure may cause skin dryness or cracking.
· ***2.3 Other hazards***
· ***Results of PBT and vPvB assessment***
· ***PBT:*** *Not applicable.*
· ***vPvB:*** *Not applicable.*

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SECTION 3: Composition/information on ingredients

· ***3.2 Chemical characterisation: Mixtures***
· ***Description:*** *Mixture of substances listed below with nonhazardous additions.*

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· ***Dangerous components:***

CAS: 71-23-8 *EINECS: 200-746-9* *Index number: 603-003-00-0* *Reg.nr.: 01-2119486761-29-xxxx*	*propan-1-ol* *Xi R41* *F R11* *R67* *Flam. Liq. 2, H225* *Eye Dam. 1, H318* *STOT SE 3, H336*	*20-25%*
CAS: 67-64-1 *EINECS: 200-662-2* *Index number: 606-001-00-8* *Reg.nr.: 01-2119471330-49-xxxx*	*acetone* *Xi R36* *F R11* *R66-67* *Flam. Liq. 2, H225* *Eye Irrit. 2, H319; STOT SE 3, H336*	*20-25%*
CAS: 74-98-6 *EINECS: 200-827-9* *Index number: 601-003-00-5* *Reg.nr.: 01-2119486944-21-xxxx*	*propane* *F+ R12* *Flam. Gas 1, H220* *Press. Gas C, H280*	*5-10%*
CAS: 115-10-6 *EINECS: 204-065-8* *Index number: 603-019-00-8* *Reg.nr.: 01-2119472128-37-xxxx*	*dimethyl ether* *F+ R12* *Flam. Gas 1, H220; Flam. Liq. 1, H224* *Press. Gas C, H280*	*5-10%*
CAS: 78-83-1 *EINECS: 201-148-0* *Index number: 603-108-00-1* *Reg.nr.: 01-2119484609-23-xxxx*	*butanol* *Xi R37/38-41* *R10-67* *Flam. Liq. 3, H226* *Eye Dam. 1, H318* *Skin Irrit. 2, H315; STOT SE 3, H335-H336*	*5-10%*
CAS: 106-97-8 *EINECS: 203-448-7* *Index number: 601-004-00-0* *Reg.nr.: 01-2119474691-32-xxxx*	*butane* *F+ R12* *Flam. Gas 1, H220* *Press. Gas C, H280*	*5-10%*
CAS: 75-28-5 *EINECS: 200-857-2* *Index number: 601-004-00-0* *Reg.nr.: 01-2119485395-27-xxxx*	*isobutane* *F+ R12* *Flam. Gas 1, H220* *Press. Gas C, H280*	*5-10%*
CAS: 108-65-6 *EINECS: 203-603-9* *Index number: 607-195-00-7* *Reg.nr.: 01-2119475791-29-xxxx*	*2-methoxy-1-methylethyl acetate* *R10* *Flam. Liq. 3, H226*	*2.5-5%*
CAS: 107-98-2 *EINECS: 203-539-1* *Index number: 603-064-00-3* *Reg.nr.: 01-2119457435-35-xxxx*	*1-methoxy-2-propanol* *R10-67* *Flam. Liq. 3, H226*	*1-2.5%*
CAS: 71-36-3 *EINECS: 200-751-6* *Index number: 603-004-00-6* *Reg.nr.: 01-2119484630-38-xxxx*	*butan-1-ol* *Xn R22* *Xi R37/38-41* *R10-67* *Flam. Liq. 3, H226* *Eye Dam. 1, H318* *Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335-H336*	*1-2.5%*

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

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SECTION 4: First aid measures

· ***4.1 Description of 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. Then consult a doctor.*
· ***After swallowing:*** *Drink plenty of water and provide fresh air. Call for a doctor immediately.*
· ***4.2 Most important symptoms and effects, both acute and delayed*** *No further relevant information available.*
· ***4.3 Indication of any immediate medical attention and special treatment needed***
No further relevant information available.

*
SECTION 5: Firefighting measures

· ***5.1 Extinguishing media***
· ***Suitable extinguishing agents:***
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· ***For safety reasons unsuitable extinguishing agents:*** *Water with full jet*
· ***5.2 Special hazards arising from the substance or mixture*** *No further relevant information available.*
· ***5.3 Advice for firefighters***
· ***Protective equipment:*** *No special measures required.*

*
SECTION 6: Accidental release measures

· ***6.1 Personal precautions, protective equipment and emergency procedures***
Ensure adequate ventilation
Keep away from ignition sources.
· ***6.2 Environmental precautions:***
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.
· ***6.3 Methods and material for containment and cleaning up:*** *Ensure adequate ventilation.*
· ***6.4 Reference to other sections***
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

*
SECTION 7: Handling and storage

· ***7.1 Precautions for safe handling*** *Ensure good ventilation/exhaustion at the workplace.*
· ***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.
Pressurised 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.

· ***7.2 Conditions for safe storage, including any incompatibilities***
· ***Storage:***
· ***Requirements to be met by storerooms and receptacles:***
Store in a cool location.
Observe official regulations on storing packagings with pressurised containers.
· ***Information about storage in one common storage facility:*** *Not required.*
· ***Further information about storage conditions:*** *Protect from heat and direct sunlight.*

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· **7.3 Specific end use(s)** No further relevant information available.

*
SECTION 8: Exposure controls/personal protection

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

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**	
71-23-8 propan-1-ol	
WEL	Short-term value: 625 mg/m³, 250 ppm Long-term value: 500 mg/m³, 200 ppm Sk
67-64-1 acetone	
WEL	Short-term value: 3620 mg/m³, 1500 ppm Long-term value: 1210 mg/m³, 500 ppm
115-10-6 dimethyl ether	
WEL	Short-term value: 958 mg/m³, 500 ppm Long-term value: 766 mg/m³, 400 ppm
78-83-1 butanol	
WEL	Short-term value: 231 mg/m³, 75 ppm Long-term value: 154 mg/m³, 50 ppm
106-97-8 butane	
WEL	Short-term value: 1810 mg/m³, 750 ppm Long-term value: 1450 mg/m³, 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/m³, 100 ppm Long-term value: 274 mg/m³, 50 ppm Sk
107-98-2 1-methoxy-2-propanol	
WEL	Short-term value: 560 mg/m³, 150 ppm Long-term value: 375 mg/m³, 100 ppm Sk
71-36-3 butan-1-ol	
WEL	Short-term value: 154 mg/m³, 50 ppm Sk

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

· **8.2 Exposure controls**
· **Personal protective equipment:**
· **General protective and hygienic measures:**
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes.
· **Respiratory protection:** Not required.
· **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
· **Material of gloves** Not required.
· **Penetration time of glove material** Not required.

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· **Eye protection:**

Tightly sealed goggles

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SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**	
· **General Information**	
· **Appearance:**	
Form:	Aerosol
Colour:	According to product specification
· **Odour:**	Characteristic
· **Odour threshold:**	Not determined.
· **pH-value:**	Not determined.
· **Change in condition**	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Not applicable, as aerosol.
· **Flash point:**	< 0 °C (< 32 °F) Not applicable, as aerosol.
· **Flammability (solid, gaseous):**	Not applicable.
· **Ignition temperature:**	240 °C (464 °F)
· **Decomposition temperature:**	Not determined.
· **Self-igniting:**	Product is not selfigniting.
· **Danger of explosion:**	Product is not explosive. However, formation of explosive air/ vapour mixtures are possible.
· **Explosion limits:**	
Lower:	2.1 Vol %
Upper:	13.5 Vol %
· **Vapour pressure at 20 °C (68 °F):**	4000 hPa (3000 mm Hg)
· **Density at 20 °C (68 °F):**	0.794 g/cm³ (6.626 lbs/gal)
· **Relative density**	Not determined.
· **Vapour density**	Not determined.
· **Evaporation rate**	Not applicable.
· **Solubility in / Miscibility with water:**	Not miscible or difficult to mix.
· **Partition coefficient (n-octanol/water):**	Not determined.
· **Viscosity:**	
Dynamic:	Not determined.
Kinematic:	Not determined.
· **Solvent content:**	
Organic solvents:	89.4 %
· **EU-VOC:**	709.6 g/l
· **EU-VOC in %:**	89.37 %
· **Solids content:**	10.6 %

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· ***9.2 Other information*** *No further relevant information available.*

*
SECTION 10: Stability and reactivity

· ***10.1 Reactivity***
· ***10.2 Chemical stability***
· ***Thermal decomposition / conditions to be avoided:*** *No decomposition if used according to specifications.*
· ***10.3 Possibility of hazardous reactions*** *No dangerous reactions known.*
· ***10.4 Conditions to avoid*** *No further relevant information available.*
· ***10.5 Incompatible materials:*** *No further relevant information available.*
· ***10.6 Hazardous decomposition products:*** *No dangerous decomposition products known.*

*
SECTION 11: Toxicological information

· ***11.1 Information on toxicological effects***
· ***Acute toxicity:***

· ***LD/LC50 values relevant for classification:***		
71-23-8 propan-1-ol		
Oral	*LD50*	*1870 mg/kg (rat)*
Dermal	*LD50*	*5040 mg/kg (rabbit)*
67-64-1 acetone		
Oral	*LD50*	*5800 mg/kg (rat)*
Dermal	*LD50*	*20000 mg/kg (rabbit)*
Inhalative	*LC50 / 4 h*	*39 mg/m3 (rat)*
115-10-6 dimethyl ether		
Inhalative	*LC50 / 4 h*	*308 mg/m3 (rat)*
78-83-1 butanol		
Oral	*LD50*	*2460 mg/kg (rat)*
Dermal	*LD50*	*3400 mg/kg (rabbit)*
106-97-8 butane		
Inhalative	*LC50 / 4 h*	*658000 mg/m3 (rat)*
108-65-6 2-methoxy-1-methylethyl acetate		
Oral	*LD50*	*8532 mg/kg (rat)*
Dermal	*LD50*	*>5000 mg/kg (rabbit)*
Inhalative	*LC50 / 4 h*	*35.7 mg/m3 (rat)*
107-98-2 1-methoxy-2-propanol		
Oral	*LD50*	*5660 mg/kg (rat)*
Dermal	*LD50*	*13000 mg/kg (rabbit)*
Inhalative	*LC50 / 4 h*	*55 mg/m3 (rat)*
71-36-3 butan-1-ol		
Oral	*LD50*	*2292 mg/kg (rat)*
Dermal	*LD50*	*3430 mg/kg (rabbit)*
Inhalative	*LC50 / 4 h*	*17.76 mg/m3 (rat)*

· ***Primary irritant effect:***
· ***on the skin:*** *No irritant effect.*
· ***on the eye:*** *Strong irritant with the danger of severe eye injury.*
· ***Sensitisation:*** *No sensitising effects known.*

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· ***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

*
SECTION 12: Ecological information

· ***12.1 Toxicity***

· ***Aquatic toxicity:***	
67-64-1 acetone	
EC50 / 48 h	*8800 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)*
108-65-6 2-methoxy-1-methylethyl acetate	
EC50	*408 mg/l (daphnia magna)*
107-98-2 1-methoxy-2-propanol	
EC50	*>1000 mg/l (actief slib)*
LC50 / 96 h	*4600-10000 mg/l (Leuciscus idus)*
71-36-3 butan-1-ol	
EC50 / 48 h	*1328 mg/l (daphnia magna)*
EC50 / 72 h	*8500 mg/l (algae)*
LC50 / 96 h	*1376 mg/l (Pimephales promelas)*

· ***12.2 Persistence and degradability*** *No further relevant information available.*
· ***12.3 Bioaccumulative potential*** *No further relevant information available.*
· ***12.4 Mobility in soil*** *No further relevant information available.*
· ***Additional ecological information:***
· ***General notes:***
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
· ***12.5 Results of PBT and vPvB assessment***
· ***PBT:*** *Not applicable.*
· ***vPvB:*** *Not applicable.*
· ***12.6 Other adverse effects*** *No further relevant information available.*

*
SECTION 13: Disposal considerations

· ***13.1 Waste treatment methods***
· ***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:*** *Non contaminated packagings may be recycled.*

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SECTION 14: Transport information

· **14.1 UN-Number**	
· **ADR, IMDG, IATA**	UN1950
· **14.2 UN proper shipping name**	
· **ADR**	1950 AEROSOLS
· **IMDG**	AEROSOLS
· **IATA**	AEROSOLS, flammable
· **14.3 Transport hazard class(es)**	
· **ADR**	
	
· **Class**	2 5F Gases.
· **Label**	2.1
· **IMDG, IATA**	
	
· **Class**	2.1
· **Label**	2.1
· **14.4 Packing group**	
· **ADR, IMDG, IATA**	Void
· **14.5 Environmental hazards:**	
· **Marine pollutant:**	No
· **14.6 Special precautions for user**	Warning: Gases.
· **Danger code (Kemler):**	-
· **EMS Number:**	F-D,S-U
· **14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**	Not applicable.
· **Transport/Additional information:**	
· **ADR**	
· **Limited quantities (LQ)**	1L
· **Excepted quantities (EQ)**	Code: E0 Not permitted as Excepted Quantity
· **Transport category**	2
· **Tunnel restriction code**	D
· **IMDG**	
· **Limited quantities (LQ)**	1L
· **Excepted quantities (EQ)**	Code: E0 Not permitted as Excepted Quantity
· **UN "Model Regulation":**	UN1950, AEROSOLS, 2.1

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SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
No further relevant information available.

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· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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SECTION 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 phrases**
H220 Extremely flammable gas.
H224 Extremely flammable liquid and vapour.
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H280 Contains gas under pressure; may explode if heated.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.

R10 Flammable.
R11 Highly flammable.
R12 Extremely flammable.
R22 Harmful if swallowed.
R36 Irritating to eyes.
R37/38 Irritating to respiratory system and skin.
R41 Risk of serious damage to eyes.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

· **Department issuing MSDS:** R&D legislation and regulatory advisor
· **Contact:** QHSE Department
· **Abbreviations and acronyms:**
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organisation
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
Flam. Gas 1: Flammable gases, Hazard Category 1
Flam. Aerosol 1: Flammable aerosols, Hazard Category 1
Press. Gas C: Gases under pressure: Compressed gas
Flam. Liq. 1: Flammable liquids, Hazard Category 1
Flam. Liq. 2: Flammable liquids, Hazard Category 2
Flam. Liq. 3: Flammable liquids, Hazard Category 3
Acute Tox. 4: Acute toxicity, Hazard Category 4
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
· *** Data compared to the previous version altered.**