Revision: 15.01.2015

Printing date 15.01.2015

Version number 1

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

- · 1.1 Product identifier
- · Trade name: ProXL 2k Primer
- · Article number: PRO2KPRIME
- · 1.2 Relevant identified uses of the substance or mixture and uses advised against --
- · Application of the substance / the mixture Priming
- · 1.3 Details of the supplier of the safety data sheet
- · Manufacturer/Supplier:

PRO XL

Second Avenue

Chatham

Kent

ME4 5AU

Tel: +44(0)1634823900 Fax: +44(0)1634813807

Email: info@pro-xl.co.uk

- · Further information obtainable from: Department Product Safety
- · 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.



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects,



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

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

Xn; Harmful

R20: Harmful by inhalation.

F+; Extremely flammable

R12: Extremely flammable.

N; Dangerous for the environment

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

(Contd. on page 2)

Printing date 15.01.2015 Version number 1 Revision: 15.01.2015

Trade name: ProXL 2k Primer

(Contd. of page 1)

· 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.

Warning! Pressurized container.

· 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

· Signal word Danger

· Hazard-determining components of labelling:

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.

H411 Toxic to aquatic life with long lasting effects.

· Precautionary statements

If medical advice is needed, have product container or label at hand. P101

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P260 Do not breathe spray.

P280 *Wear eye protection / face protection.*

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.

P410+P412 *Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.* P501 Dispose of contents / container in accordance with regional regulations.

· Additional information:

Contains Esters der Methacrylsäure. May produce an allergic reaction.

Buildup of explosive mixtures possible without sufficient ventilation.

· 2.3 Other hazards

- · Results of PBT and vPvB assessment
- · **PBT**: Not applicable.
- · vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- · 3.2 Chemical characterization: Mixtures
- · Description: Mixture of substances listed below with nonhazardous additions.
- · Dangerous components:

(Contd. on page 3)

Printing date 15.01.2015 Version number 1 Revision: 15.01.2015

Trade name: ProXL 2k Primer

CAS: 115-10-6	dimethyl ether	Contd. of pa 25-<50
EINECS: 204-065-8 Index number: 603-019-00-8 Reg.nr.: 01-2119472128-37	F+ R12	25 300
CAS: 7779-90-0	trizinc bis(orthophosphate)	10-<12
EINECS: 231-944-3 Index number: 030-011-00-6 Reg.nr.: 01-2119485044-40	N R50/53 Aquatic Acute 1, H400; Aquatic Chronic 1, H410	
CAS: 1330-20-7 EINECS: 215-535-7 Index number: 601-022-00-9	xylene, mixture of isomers Xn R20/21; Xi R38 R10	5-<10
Reg.nr.: 01-2119488216-32	♦ Flam. Liq. 3, H226; ♦ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	
CAS: 100-41-4 EINECS: 202-849-4 Index number: 601-023-00-4 Reg.nr.: 01-2119489370-35	ethylbenzene Xn R20-48/20-65; F R11 ◆ Flam. Liq. 2, H225; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H332; Aquatic Chronic 3, H412	5-<10
CAS: 123-86-4 EINECS: 204-658-1 Index number: 607-025-00-1 Reg.nr.: 01-2119485493-29	n-butyl acetate R10-66-67 (•) Flam. Liq. 3, H226; (•) STOT SE 3, H336	5-<10
CAS: 71-36-3 EINECS: 200-751-6 Index number: 603-004-00-6 Reg.nr.: 01-2119484630-38	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	2.5-<5.0
CAS: 108-10-1 EINECS: 203-550-1 Index number: 606-004-00-4 Reg.nr.: 01-2119473980-30	4-methylpentan-2-one Xn R20; Xi R36/37; F R11 R66 → Flam. Liq. 2, H225; → Acute Tox. 4, H332; Eye Irrit. 2, H319; STOT SE 3, H335	2.5-<5.0
CAS: 64742-49-0 EINECS: 265-151-9 Index number: 649-328-00-1 Reg.nr.: 01-2119475133-43	Naphtha (petroleum), hydrotreated light Xn R65; Xi R38; F R11; N R51/53 R67 ◆ Flam. Liq. 2, H225; ◆ Asp. Tox. 1, H304; ◆ Aquatic Chronic 2, H411; ↑ Skin Irrit. 2, H315; STOT SE 3, H336	<2.5%
CAS: 108-65-6 EINECS: 203-603-9 Index number: 607-195-00-7 Reg.nr.: 01-2119475791-29	2-methoxy-1-methylethyl acetate R10 Flam. Liq. 3, H226	<2.5%
	Esters der Methacrylsäure	≤0.5%

· Additional information:

The content of Benzene (EINECS-Nr. 200-753-7) in the ingredients is less than 0,1% (Note P Annex 1 67/548 EU), so the classification as carcinogen need not to apply. For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

- · 4.1 Description of first aid measures
- · General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

(Contd. on page 4)

Printing date 15.01.2015 Version number 1 Revision: 15.01.2015

Trade name: ProXL 2k Primer

(Contd. of page 3)

· After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

- · After skin contact: Generally the product does not irritate the skin.
- · After eye contact: Rinse opened eye for several minutes under running water.
- · 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.
- \cdot 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, bluspoeder of waterstraal. Grotere brand met waterstraal of met schuim.

Vaten met water afkoelen.

- · 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.

Mouth respiratory protective device.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

· 6.2 Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

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

 \cdot 6.3 Methods and material for containment and cleaning up:

Do not flush with water or aqueous cleansing agents

Dispose contaminated material as waste according to item 13.

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.

Open and handle receptacle with care.

· Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

- · 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 pressurized containers.

· Information about storage in one common storage facility: Not required.

(Contd. on page 5)

Printing date 15.01.2015 Version number 1 Revision: 15.01.2015

Trade name: ProXL 2k Primer

(Contd. of page 4)

· Further information about storage conditions:

Do not seal receptacle gas tight.

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

- · Storage class: 2B
- · 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

T 10 /	*.1 1	,	1	.1	•	•, •		1 1
· Ingredients	with I	imit v	กเบอง	that r	าคสมมาค	monitoring	r at the	workniace:
III SI CUICIUS	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,	ullio	uivui i	cquiic	monthor my	, ai iiic	workpiace.

115-10-6 dimethyl ether

WEL Short-term value: 958 mg/m³, 500 ppm

Long-term value: 766 mg/m³, 400 ppm

1330-20-7 xylene, mixture of isomers

WEL Short-term value: 441 mg/m³, 100 ppm

Long-term value: 220 mg/m³, 50 ppm

Sk; BMGV

100-41-4 ethylbenzene

WEL Short-term value: 552 mg/m³, 125 ppm

Long-term value: 441 mg/m³, 100 ppm

Sk

123-86-4 n-butyl acetate

WEL Short-term value: 966 mg/m³, 200 ppm

Long-term value: 724 mg/m³, 150 ppm

71-36-3 butan-1-ol

WEL Short-term value: 154 mg/m³, 50 ppm

Sk

108-10-1 4-methylpentan-2-one

WEL Short-term value: 416 mg/m³, 100 ppm

Long-term value: 208 mg/m³, 50 ppm

Sk, BMGV

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

· Ingredients with biological limit values:

1330-20-7 xylene, mixture of isomers

BMGV 650 mmol/mol creatinine

Medium: urine

Sampling time: post shift

Parameter: methyl hippuric acid

108-10-1 4-methylpentan-2-one

BMGV 20 µmol/L

Medium: urine

Sampling time: post shift

Parameter: 4-methylpentan-2-one

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

(Contd. on page 6)

Printing date 15.01.2015 Version number 1 Revision: 15.01.2015

Trade name: ProXL 2k Primer

(Contd. of page 5)

- · 8.2 Exposure controls
- · Personal protective equipment:
- · General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

· Respiratory protection:

Not necessary if room is well-ventilated.

Otherwise, filter class A / P2 or self contained.

· Protection of hands:



Protective gloves

Solvent resistant gloves

In case of contact with spray dust protective gloves made of butyl should be used (min. 0.4 mm thick), e.g. KCL Camatril, article no. 898 or similar products

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves

Natural rubber, NR Butyl rubber, BR

· Penetration time of glove material

Butyl rubber gloves with a thickness of 0.4 mm are resistant to:

Acetone: 480 min Butyl acetate: 60 min Ethyl acetate: 170 min Xylene: 42 min

· Eye protection: Safety glasses

SECTION 9: Physical and chemical properties

· General Information

· Appearance:

Form: Aerosol

Colour: According to product specification

Odour: CharacteristicOdour 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: Not applicable, as aerosol.

· Flammability (solid, gaseous): Not applicable.

· Ignition temperature: 235 °C

· Decomposition temperature: Not determined.

· Self-igniting: Product is not selfigniting.

• Danger of explosion: In use, may form flammable/explosive vapour-air mixture.

(Contd. on page 7)

GB

Printing date 15.01.2015 Version number 1 Revision: 15.01.2015

Trade name: ProXL 2k Primer

	(Cont	d. of page
Explosion limits:		
Lower:	3.0 Vol %	
Upper:	18.6 Vol %	
Vapour pressure at 20 °C:	5200 hPa	
Density at 20 °C:	1.06 g/cm³	
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/v	water): Not determined.	
Viscosity:		
Dynamic:	Not determined.	
Kinematic:	Not determined.	
Solvent content:		
VOC- (EU)		
	818.2 g/l	
VOC-EU%	77.51 %	
Solids content:	27.5 %	
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.
- \cdot 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 rele	vant for classification:	
7779-90-0	trizinc bis	(orthophosphate)	
Oral	LD50	>5000 mg/kg (rat)	
1330-20-7	xylene, m	ixture of isomers	
Oral	LD50	8700 mg/kg (rat)	
Dermal	LD50	>2000 mg/kg (rabbit)	
Inhalative	LC50/4 h	6350 mg/l (rat)	
100-41-4 е	thylbenzer	ne	
Oral	LD50	3500 mg/kg (rat)	
Dermal	LD50	17800 mg/kg (rabbit)	
71-36-3 bı	ıtan-1-ol		
Oral	LD50	2292 mg/kg (rat) (OECD- Prüfrichtlinie 401))	
		3430 mg/kg (rabbit) (OECD- Prüfrichtlinie 402)	
			(Contd. on page

page o,

Printing date 15.01.2015 Version number 1 Revision: 15.01.2015

Trade name: ProXL 2k Primer

Dermal LD50 3400 mg/kg (rabbit) (Contd. of page 7)

· Primary irritant effect:

- · on the skin: No irritant effect.
- · on the eye: No irritating effect.
- · Sensitization: Sensitizing effect by skin contact is possible by prolonged exposure.
- · Additional toxicological information:

Inhalative LC50/4 h 8000 mg/l (rat)

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:

Harmful

Vapours have narcotic effect.

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:

1330-20-7 xylene, mixture of isomers

EC50 (24h) >175 mg/l (bacteria)

EC50/48h 3.82 mg/l (daphnia magna / Wasserfloh) EC50/72h 4.7 mg/l (Pseudokirchneriella subcapitata)

LC50/96h 7.6 mg/l (oncorhynchus mykiss / Regenbogenforelle)

- · 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.
- · Ecotoxical effects:
- · Remark: Toxic for fish
- · 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.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

- · 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: Disposal must be made according to official regulations.

GB

Printing date 15.01.2015 Version number 1 Revision: 15.01.2015

Trade name: ProXL 2k Primer

(Contd. of page 8)

14.1 UN-Number	
ADR, IMDG, IATA	UN1950
14.2 UN proper shipping name ADR	UN1950 AEROSOLS, ENVIRONMENTALI HAZARDOUS
IMDG IATA	AEROSOLS 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: Special marking (ADR):	No Symbol (fish and tree)
<u> </u>	
14.6 Special precautions for user Danger code (Kemler):	Warning: Gases.
EMS Number:	F-D,S-U
14.7 Transport in bulk according to An MARPOL73/78 and the IBC Code	
Transport/Additional information:	
ADR	
Limited quantities (LQ)	IL
Excepted quantities (\widetilde{EQ})	Code: E0
Transport category	Not permitted as Excepted Quantity 2
Tunnel restriction code	$\stackrel{\scriptstyle 2}{D}$
IMDG	
Limited quantities (LQ)	IL
Excepted quantities (EQ)	Code: E0
· · · · · ·	Not permitted as Excepted Quantity
UN "Model Regulation":	UN1950, AEROSOLS, ENVIRONMENTALI HAZARDOUS, 2.1

Printing date 15.01.2015 Version number 1 Revision: 15.01.2015

Trade name: ProXL 2k Primer

(Contd. of page 9)

SECTION 15: Regulatory information

- · 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture .
- · Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.
- · 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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.
- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H280 Contains gas under pressure; may explode if heated.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- 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 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.
- H412 Harmful to aquatic life with long lasting effects.
- R10 Flammable.
- R11 Highly flammable.
- R12 Extremely flammable.
- R20 Harmful by inhalation.
- R20/21 Harmful by inhalation and in contact with skin.
- R22 Harmful if swallowed.
- R36/37 Irritating to eyes and respiratory system.
- R37/38 Irritating to respiratory system and skin.
- R38 Irritating to skin.
- R41 Risk of serious damage to eyes.
- R43 May cause sensitisation by skin contact.
- R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
- R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R65 Harmfull: may cause lung damage if swallowed
- R66 Repeated exposure may cause skin dryness or cracking.
- R67 Vapours may cause drowsiness and dizziness.
- · Contact: Anwendungstechnik
- · 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)

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

ICAO: International Civil Aviation Organization

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

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

(Contd. on page 11)

Printing date 15.01.2015 Version number 1 Revision: 15.01.2015

Trade name: ProXL 2k Primer

(Contd. of page 10)

GHS: Globally Harmonized 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)

VOC: Volatile Organic Compounds (USA, EU)

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: Gases under pressure: Compressed gas

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

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2

Asp. Tox. 1: Aspiration hazard, Hazard Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3