# Safety data sheet

**according to 1907/2006/EC, Article 31**

*Printing date 05.12.2016* *Version number 3* *Revision: 05.12.2016*

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

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

· **Article number: PROBLEND**
· **1.2 Relevant identified uses of the substance or mixture and uses advised against**
· **Sector of Use**
SU21 Consumer uses: Private households / general public / consumers
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
· **Process category**
PROC7 Industrial spraying
PROC11 Non industrial spraying
· **Environmental release category**
ERC8a Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
ERC8d Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)
· **Application of the substance / the mixture** Preparation

· **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:** Department Product Safety
· **1.4 Emergency telephone number:** Tel: +44(0) 1634 823900 (08.00 / 17.00)

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## SECTION 2: Hazards identification

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



GHS02 flame

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.

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

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· ***Hazard pictograms***



GHS02 GHS05

· ***Signal word*** *Danger*

· ***Hazard-determining components of labelling:***
*cyclohexanone*
· ***Hazard statements***
*H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.*
*H315 Causes skin irritation.*
*H318 Causes serious eye damage.*
· ***Precautionary statements***
*P102 Keep out of reach of children.*
*P260 Do not breathe spray.*
*P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.*
*P251 Do not pierce or burn, even after use.*
*P211 Do not spray on an open flame or other ignition source.*
*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.*
*P321 Specific treatment (see on this label).*
*P332+P313 If skin irritation occurs: Get medical advice/attention.*
*P302+P352 IF ON SKIN: Wash with plenty of water.*
*P362+P364 Take off contaminated clothing and wash it before reuse.*
*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.*
· ***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 characterisation: Mixtures***
· ***Description:*** *Mixture of substances listed below with nonhazardous additions.*

| · ***Dangerous components:*** | | |
|---|---|---|
| *CAS: 115-10-6*<br>*EINECS: 204-065-8*<br>*Index number: 603-019-00-8*<br>*Reg.nr.: 01-2119472128-37-xxxx* | *dimethyl ether*<br>*Flam. Gas 1, H220*<br>*Press. Gas C, H280* | *50-75%* |
| *CAS: 108-94-1*<br>*EINECS: 203-631-1*<br>*Index number: 606-010-00-7*<br>*Reg.nr.: 01-2119453616-35-xxxx* | *cyclohexanone*<br>*Flam. Liq. 3, H226*<br>*Eye Dam. 1, H318*<br>*Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315* | *25-50%* |

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



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## 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.
· **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:** Immediately wash with water and soap and rinse thoroughly.
· **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
· **After swallowing:**
Call for a doctor immediately.
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.

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## 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.
· **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
· **5.3 Advice for firefighters**
· **Protective equipment:** Mouth respiratory protective device.

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## SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
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.
· **6.3 Methods and material for containment and cleaning up:**
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.

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## SECTION 7: Handling and storage

· **7.1 Precautions for safe handling**
No special measures required.
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.

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*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.*
· **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:** | |
|---|---|
| **115-10-6 dimethyl ether** | |
| WEL | Short-term value: 958 mg/m³, 500 ppm<br>Long-term value: 766 mg/m³, 400 ppm |
| **108-94-1 cyclohexanone** | |
| WEL | Short-term value: 82 mg/m³, 20 ppm<br>Long-term value: 41 mg/m³, 10 ppm<br>Sk, BMGV |

| · **Ingredients with biological limit values:** | |
|---|---|
| **108-94-1 cyclohexanone** | |
| BMGV | 2 mmol/mol creatinine<br>Medium: urine<br>Sampling time: post shift<br>Parameter: cyclohexanol |

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

· **8.2 Exposure controls**
· **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.*
*Avoid contact with the skin.*
*Avoid contact with the eyes and skin.*
· **Respiratory protection:**
*In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.*
· **Protection of hands:**



*Protective gloves*

*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**
*The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the*

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*application.*

· ***Penetration time of glove material***
*The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.*

· ***Eye protection:***



*Tightly sealed goggles*

* 
## *SECTION 9: Physical and chemical properties*

| | |
|---|---|
| · ***9.1 Information on basic physical and chemical properties*** | |
| · ***General Information*** | |
| · ***Appearance:*** | |
| ***Form:*** | *Aerosol* |
| ***Colour:*** | *Clear* |
| · ***Odour:*** | *Solvent-like* |
| · ***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)*<br>*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:*** | *1.1 Vol %* |
| ***Upper:*** | *26.2 Vol %* |
| · ***Vapour pressure at 20 °C (68 °F):*** | *4000 hPa (3000 mm Hg)* |
| · ***Density at 20 °C (68 °F):*** | *0.742 g/cm³ (6.192 lbs/gal)* |
| · ***Relative density*** | *Not determined.* |
| · ***Vapour density*** | *Not determined.* |
| · ***Evaporation rate*** | *Not applicable.* |
| · ***Solubility in / Miscibility with water:*** | *Fully miscible.* |
| · ***Partition coefficient (n-octanol/water):*** | *Not determined.* |
| · ***Viscosity:*** | |
| ***Dynamic:*** | *Not determined.* |
| ***Kinematic:*** | *Not determined.* |
| · ***Solvent content:*** | |
| ***Organic solvents:*** | *100.0 %* |
| · ***EU-VOC:*** | *742.0 g/l* |

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| | |
|---|---|
| · **EU-VOC in %:** | 100.00 % |
| · **Solids content:** | 100.0 % |
| · **9.2 Other information** | No further relevant information available. |

* 
## SECTION 10: Stability and reactivity

· **10.1 Reactivity** No further relevant information available.
· **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** Based on available data, the classification criteria are not met.

| · **LD/LC50 values relevant for classification:** | | |
|---|---|---|
| **115-10-6 dimethyl ether** | | |
| Inhalative | LC50 / 4 h | 308 mg/m3 (rat) |
| **108-94-1 cyclohexanone** | | |
| Oral | LD50 | 1890 mg/kg (rat) |
| Dermal | LD50 | 1100 mg/kg (rab) |
| Inhalative | LC50 / 4h | 11 mg/l (rat) |

· **Primary irritant effect:**
· **Skin corrosion/irritation**
Causes skin irritation.
· **Serious eye damage/irritation**
Causes serious eye damage.
· **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
· **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
· **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
· **Carcinogenicity** Based on available data, the classification criteria are not met.
· **Reproductive toxicity** Based on available data, the classification criteria are not met.
· **STOT-single exposure** Based on available data, the classification criteria are not met.
· **STOT-repeated exposure** Based on available data, the classification criteria are not met.
· **Aspiration hazard** Based on available data, the classification criteria are not met.

* 
## SECTION 12: Ecological information

· **12.1 Toxicity**

| · **Aquatic toxicity:** | |
|---|---|
| **115-10-6 dimethyl ether** | |
| EC50 / 48 h | >4000 mg/l (daphnia magna) |
| **108-94-1 cyclohexanone** | |
| EC50 / 24 h | 820 mg/l (daphnia magna) |
| EC50 / 72 h | 32.9 mg/l (algae) |
| LC50 / 48 h | 536-752 mg/l (fish) |

· **12.2 Persistence and degradability** No further relevant information available.

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· ***12.3 Bioaccumulative potential*** *No further relevant information available.*
· ***12.4 Mobility in soil*** *No further relevant information available.*
· ***Additional ecological information:***
· ***General notes:*** *Generally not hazardous for water*
· ***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*** | |
|---|---|
| *20 01 13** | *solvents* |
| *15 01 04* | *metallic packaging* |

· ***Uncleaned packaging:***
· ***Recommendation:*** *Non contaminated packagings may be recycled.*
· ***Recommended cleansing agents:*** *Water, if necessary together with cleansing agents.*

* 
## 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):*** -

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| | |
|---|---|
| · ***EMS Number:*** | *F-D,S-U* |
| · ***Stowage Code*** | *SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.* |
| · ***Segregation Code*** | *SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.* |
| · ***14.7 Transport in bulk according to Annex II of Marpol 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":*** | *UN 1950 AEROSOLS, 2.1* |

* 
## *SECTION 15: Regulatory information*

· ***15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture***

· ***Directive 2012/18/EU***
· ***Named dangerous substances - ANNEX I*** *None of the ingredients is listed.*
· ***Seveso category*** *P3a FLAMMABLE AEROSOLS*
· ***Qualifying quantity (tonnes) for the application of lower-tier requirements*** *150 t*
· ***Qualifying quantity (tonnes) for the application of upper-tier requirements*** *500 t*
· ***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.*
*H226 Flammable liquid and vapour.*
*H280 Contains gas under pressure; may explode if heated.*
*H302 Harmful if swallowed.*
*H312 Harmful in contact with skin.*
*H315 Causes skin irritation.*
*H318 Causes serious eye damage.*
*H332 Harmful if inhaled.*

· ***Department issuing SDS:*** *R&D legislation and regulatory advisor*
· ***Contact:*** *QHSE Department*

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· ***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*
*PBT: Persistent, Bioaccumulative and Toxic*
*vPvB: very Persistent and very Bioaccumulative*
*Flam. Gas 1: Flammable gases – Category 1*
*Aerosol 1: Aerosols – Category 1*
*Press. Gas C: Gases under pressure – Compressed gas*
*Flam. Liq. 3: Flammable liquids – Category 3*
*Acute Tox. 4: Acute toxicity – Category 4*
*Skin Irrit. 2: Skin corrosion/irritation – Category 2*
*Eye Dam. 1: Serious eye damage/eye irritation – Category 1*

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