

**MATERIAL SAFETY DATA SHEET****XENUM X-CUT**

According to 1907/2006 EEC Article 31

Date: 23/07/2012

Page 1/8

**1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION****Product identifier****Product name:** XENUM X-CUT**Product code:** 4144500**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)

**Product category**

PC24 Lubricants, greases, release products

**Process category**

PROC11 Non industrial spraying

**Environmental release category**

ERC8a Wide dispersive indoor use of processing aids in open systems

ERC8d Wide dispersive outdoor use of processing aids in open systems

**Application of the substance / the preparation:**

Lubricant

**Details of the supplier of the safety data sheet****Manufacturer/Supplier:** XENUM N.V.  
Steenkaaistraat 17  
B – 9200 Dendermonde  
Tel: +32 52 22 38 08  
Fax: +32 52 22 51 60  
e-mail: info@xenum.eu**Contact Person:** Peter Tossyn**Emergency telephone number:**

During normal opening hours: +32 479 82 08 08

**2. IDENTIFICATION OF HAZARDS****Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

GHS02 flame

Flam. Aerosol 1 H222 Extremely flammable aerosol.

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

F+; Extremely flammable

# MATERIAL SAFETY DATA SHEET

XENUM X-CUT

According to 1907/2006 EEC Article 31

Date: 23/07/2012

Page 2/8

R12: Extremely flammable.

## 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.

## Label elements

### 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:



F+ Extremely flammable

### Risk phrases:

**12** Extremely flammable.

### Safety phrases:

**2** Keep out of the reach of children.

**15** Keep away from heat.

**16** Keep away from sources of ignition - No smoking.

**46** If swallowed, seek medical advice immediately and show this container or label.

**51** Use only in well-ventilated areas.

### 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.  
Buildup of explosive mixtures possible without sufficient ventilation.

### Classification in accordance with Directive 75/324/EEC:

Extremely flammable

### Other hazards

#### Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical characterization:** Substances

### Additional information:

CAS: 106-97-8 EINECS: 203-448-7 Reg.nr.: 01-2119474691-32	<b>butane (containing &lt; 0.1% butadiene (203-450-8))</b> F+ R12 Flam. Gas 1, H220; Press. Gas, H280	10-<25%
CAS: 74-98-6 EINECS: 200-827-9 Reg.nr.: 01-2119486944-21	<b>propane</b> F+ R12 Flam. Gas 1, H220; Press. Gas, H280	10-<25%

**Chemical characterization:** Mixtures

**Description:** Active substance with propellant

According to 1907/2006 EEC Article 31

Date: 23/07/2012

Page 3/8

**Dangerous components:** -

---

#### **4. FIRST AID**

**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.  
**After swallowing:** Do not induce vomiting; call for medical help immediately.

**Most important symptoms and effects, both acute and delayed**

No further relevant information available.

**Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

---

#### **5. FIRE FIGHTING MEASURES**

**Extinguishing media****Suitable extinguishing agents:**

Water haze  
Fire-extinguishing powder  
Carbon dioxide  
Alcohol resistant foam

**For safety reasons unsuitable extinguishing agents:**

Water with full jet

**Special hazards arising from the substance or mixture**

No further relevant information available.

**Advice for firefighters****Protective equipment:** Mount respiratory protective device.

---

#### **6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

**Environmental precautions:**

No special measures required.

**Methods and material for containment and cleaning up:**

Ensure adequate ventilation.

**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.

---

#### **7. HANDLING AND STORAGE**

**Precautions for safe handling**

According to 1907/2006 EEC Article 31

Date: 23/07/2012

Page 4/8

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 from heat.  
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.

**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:**

Observe official regulations on storing packagings with pressurized containers.

**Further information about storage conditions:**

Keep receptacle tightly sealed.  
Do not seal receptacle gas tight.  
Store in cool, dry conditions in well sealed receptacles.  
Protect from heat and direct sunlight.

**Specific end use(s)**

No further relevant information available.

---

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Additional information about design of technical facilities:**

No further data; see item 7.

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

<b>106-97-8 butane (containing &lt; 0.1% butadiene (203-450-8))</b>	
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)
<b>74-98-6 propane</b>	
OEL	Short-term value: 3600 mg/m <sup>3</sup> , 2000 ppm Long-term value: 1800 mg/m <sup>3</sup> , 1000 ppm

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

**Exposure controls****Personal protective equipment:****General protective and hygienic measures:**

Wash hands before breaks and at the end of work.

**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.  
Use suitable respiratory protective device in case of insufficient ventilation.  
Filter AX/P2

**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.

Solvent resistant gloves

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 application.

Nitrile rubber, NBR

**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

**Body protection:**

Use protective suit

---

**9. PHYSICAL AND CHEMICAL PROPERTIES****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: -44°C

**Flash point:** -97°C

**Flammability**

**(solid, gaseous):** Not applicable.

**Ignition temperature:** 365°C

**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: 1.5 Vol %  
Upper: 10.9 Vol %

**Vapour pressure at 20°C:** 4 Bar

**Density at 20°C:**

0.761 g/cm<sup>3</sup>  
Relative density: Not determined.  
Vapour density: Not determined.  
Evaporation rate: Not applicable.

According to 1907/2006 EEC Article 31

Date: 23/07/2012

Page 6/8

**Solubility in / Miscibility with**

water: Not miscible or difficult to mix.

**Segregation coefficient  
(n-octanol/water):**

Not determined.

**Viscosity:**

Dynamic: Not determined.

Kinematic: Not determined.

**Solvent content:**

Organic solvents: 30.0 %

**Other information**

No further relevant information available.

---

**10. STABILITY AND REACTIVITY****Reactivity****Chemical stability****Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

**Possibility of hazardous reactions**

No dangerous reactions known.

**Conditions to avoid**

No further relevant information available.

**Incompatible materials:**

No further relevant information available.

**Hazardous decomposition products:**

No dangerous decomposition products known.

---

**11. TOXICOLOGICAL INFORMATION****Information on toxicological effects****Acute toxicity:****Primary irritant effect:****on the skin:** No irritant effect.**on the eye:** No irritating effect.**Sensitization:** No sensitizing effects known.

---

**12. ECOLOGICAL INFORMATION****Toxicity****Aquatic toxicity:** No further relevant information available.**Persistence and degradability**

No further relevant information available.

**Behaviour in environmental systems:****Bioaccumulative potential** No further relevant information available.**Mobility in soil** No further relevant information available.

# **MATERIAL SAFETY DATA SHEET**

**XENUM X-CUT**

According to 1907/2006 EEC Article 31

Date: 23/07/2012

Page 7/8

## **Results of PBT and vPvB assessment**

PBT: Not applicable.  
vPvB: Not applicable.

## **Other adverse effects**

No further relevant information available.

## **13. DISPOSAL CONSIDERATIONS**

### **Waste treatment methods**

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

### **Uncleaned packaging:**

**Recommendation:** Disposal must be made according to official regulations.

## **14. TRANSPORT INFORMATION**

### **UN-Number**

**ADR, IMDG, IATA** UN1950

### **UN proper shipping name**

**ADR** 1950 AEROSOLS  
**IMDG** AEROSOLS  
**IATA** AEROSOLS, flammable

### **Transport hazard class(es)**

#### **ADR**



**Class** 2 5F Gases  
**Label** 2.1

#### **IMDG, IATA**



**Class** 2.1  
**Label** 2.1

### **Packing group**

**ADR, IMDG, IATA** Void

### **Environmental hazards:**

**Marine pollutant:** No

### **Special precautions for user**

Warning: Gases  
Danger code (Kemler): -  
EMS Number: F-D,S-U

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

Not applicable.

### **Transport/Additional information:**

According to 1907/2006 EEC Article 31

Date: 23/07/2012

Page 8/8

**ADR**

**Limited quantities (LQ)** 1L  
**Transport category** 2  
**Tunnel restriction code** D  
**UN "Model Regulation":** UN1950, AEROSOLS, 2.1

**15. REGULATORY INFORMATION****Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations:****Technical instructions (air):**

Class	Share in %
NK	25-<50

**VOC-CH** 30.00 %  
**VOC-EU** 228.3 g/l  
**Danish MAL Code** 1-1

**Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

**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.  
H280 Contains gas under pressure; may explode if heated.  
R12 Extremely flammable.

**Department issuing MSDS:** Research & Development**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 Organization  
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 Harmonized System of Classification and Labelling of Chemicals  
MAL-Code: Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)  
DNEL: Derived No-Effect Level (REACH)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent

This data is complementary to the technical bulletin of use but does not replace it. The information contained herein is based on the state of our knowledge concerning the products as at the date indicated. It has been given in good faith. The user however, should be aware of subsequent risks that may arise if this product is used in a manner for which it is not being developed. However, this does not give a dispensation to the user not to have knowledge of and apply the appropriate regulations relating to his business. The sole responsibility lies with the user rather than the producer, the regulatory requirements assembled here are set down simply to help the final user fulfil his statutory obligations, however this listing should not be considered as exhaustive. The user must issue himself that he is taking all necessary obligations other than what is set down in the text here.