

MATERIAL SAFETY DATA SHEET**XENUM BELT CONDITIONER**

According to 1907/2006 EEC Article 31

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1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION**1.1 Product identifier****Product name:** XENUM BELT CONDITIONER**Product code:** 4106500**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

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:

Surface active agent

1.3 Details of the supplier of the safety data sheet**Manufacturer/Supplier:** XENUM N.V.
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B – 9200 Dendermonde
Tel: +32 52 22 38 08
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e-mail: info@xenum.eu**Contact Person:** Peter Tossyn**1.4 Emergency telephone number:**

+32 479 82 08 08 (9 AM to 4 PM, Monday to Friday)

2. IDENTIFICATION OF HAZARDS**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

GHS02 flame

Flam. Aerosol 1

H222 Extremely flammable aerosol.



GHS09 environment

Aquatic Chronic 2

H411 Toxic to aquatic life with long lasting effects.



GHS07

Skin Irrit. 2
STOT SE 3H315 Causes skin irritation.
H336 May cause drowsiness or dizziness.**Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

Xi; Irritant

R38: Irritating to skin.



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.

R67: Vapours may cause drowsiness and dizziness.

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.
Has a narcotizing 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 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.
38 Irritating to skin.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
67 Vapours may cause drowsiness and dizziness.

Safety phrases:

2 Keep out of the reach of children.
16 Keep away from sources of ignition - No smoking.
23 Do not breathe vapour/spray.
29 Do not empty into drains.
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

2.3. Other hazards**Results of PBT and vPvB assessment**

PBT: Not applicable.
vPvB: Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS**3.1. Chemical characterization:** Substances**Additional information:**

CAS: 106-97-8 EINECS: 203-448-7 Reg.nr.: 01-2119474691-32	butane (containing < 0.1% butadiene (203-450-8)) F+ R12 Flam. Gas 1, H220; Press. Gas, H280	25-<50%
CAS: 64742-49-0 EC number: 921-024-6 Reg.nr.: 01-2119475514-35 01-2119475515-33	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	25-<50%
CAS: 74-98-6 EINECS: 200-827-9 Reg.nr.: 01-2119486944-21	propane F+ R12 Flam. Gas 1, H220; Press. Gas, H280	10-<25%

3.2. Chemical characterization: Mixtures**Description:** Active substance with propellant**Dangerous components:**

Ingredients according to detergents guideline 648/2004/EC	
aliphatic hydrocarbons	≥ 30%

4. FIRST AID**4.1. Description of first aid measures**

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

5. FIRE FIGHTING MEASURES

5.1. 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

5.2. Special hazards arising from the substance or mixture:

No further relevant information available.

5.3. Advice for firefighters:

Protective equipment: Mount respiratory protective device.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away.

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.

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:

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.

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.

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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.

7.3. 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.

8.1. Control parameters

Ingredients with limit values that require monitoring at the workplace:

106-97-8 butane (containing < 0.1% butadiene (203-450-8))	
WEL	Short-term value: 1810 mg/m ³ , 750 ppm Long-term value: 1450 mg/m ³ , 600 ppm Carc (if more than 0.1% of buta-1.3-diene)
74-98-6 propane	
OEL	Short-term value: 3600 mg/m ³ , 2000 ppm Long-term value: 1800 mg/m ³ , 1000 ppm

DNELs

64742-49-0 Naphtha (petroleum), hydrotreated light		
Oral	DNEL Long term-systemic	699 mg/kg bw/day (Consumer)
Dermal	DNEL Long term-systemic	699 mg/kg bw/day (Consumer) 773 mg/kg bw/day (Worker)
Inhalative	DNEL Long term-systemic	608 mg/m ³ (Consumer) 2035 mg/m ³ (Worker)

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



Protection of hands: Protective gloves

Solvent resistant gloves.

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

Material of gloves: Nitrile rubber, NBR

Penetration time of glove material

The exact break through 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

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: -44°C

Flash point: -97°C

Flammability

(solid, gaseous): Not applicable.

Ignition temperature: 200°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: 0.8 Vol %
Upper: 10.9 Vol %

Vapour pressure at 20°C: 4 Bar

Density at 20°C: 0.621 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.

Segregation coefficient

(n-octanol/water): Not determined.

Viscosity:

Dynamic: Not determined.
Kinematic: Not determined.

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Solvent content:
Organic solvents: 85.0 %**Solids content:** 15.0 %**9.2. Other information:** No further relevant information available.**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.

11. TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects****Acute toxicity:****LD/LC50 values relevant for classification:****64742-49-0 Naphtha (petroleum), hydrotreated light**

Oral	LD50	>5840 mg/kg (rat)
Dermal	LD50	>2920 mg/kg (rabbit)
Inhalative	LC50/4h	>25 mg/l (rat)

Primary irritant effect:**on the skin:** Irritant to skin and mucous membranes.**on the eye:** No 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****12.1. Toxicity****Aquatic toxicity:****64742-49-0 Naphtha (petroleum), hydrotreated light**

EL50 (72h)	30-100 mg/l (Pseudokirchneriella subcapitata)
EL50(48h)	3 mg/l (Daphnia magna)

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LL50 (96h)	11.4 mg/l (Oncorhynchus mykiss (96h))
LOEC (21 days)	0.32 mg/l (Daphnia magna)
NOEC (21 days)	0.17 mg/l (Daphnia magna)
NOELR (72h)	3 mg/l (Pseudokirchneriella subcapitata)

12.2. Persistence and degradability

No further relevant information available.

Behaviour in environmental systems:

12.3. Bioaccumulative potential

No further relevant information available.

12.4. Mobility in soil No further relevant information available.

Ecotoxic effects:

Remark: Toxic for fish

Additional ecological information:

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

12.5. Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6. Other adverse effects No further relevant information available.

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.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

14. TRANSPORT INFORMATION

14.1. UN-Number

ADR, IMDG, IATA UN1950

14.2. UN proper shipping name

ADR 1950 AEROSOLS, ENVIRONMENTALLY HAZARDOUS
IMDG AEROSOLS
IATA AEROSOLS, flammable

14.3. Transport hazard class(es)

ADR

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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
Special marking (ADR): Symbol (fish and tree)

14.6. Special precautions for user

Danger code (Kemler): Warning: Gases
-
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) LQ2
Transport category 2
Tunnel restriction code B1D
UN "Model Regulation": UN1950, AEROSOLS, ENVIRONMENTALLY HAZARDOUS, 2.1

15. REGULATORY INFORMATION

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

National regulations:

Technical instructions (air):

Class	Share in %
NK	50-100

VOC-CH 85.00 %
VOC-EU 527.8 g/l
Danish MAL Code 5-3

15.2. 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.

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Relevant phrases

H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.
R11	Highly flammable.
R12	Extremely flammable.
R38	Irritating to skin.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.
R67	Vapours may cause drowsiness and dizziness.

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.
