

MATERIAL SAFETY DATA SHEET**XENUM BRAKE CLEANER PRO XXXL**

Conform following 1907/2006/EEC Article 31

Date: 10/05/2011

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PRODUCT NAME: XENUM BRAKE CLEANER PRO XXXL
PRODUCT CODE: 4175750
HAZARD LABELING (EC) STATEMENTS H- AND P-: see section 15
TRANSPORT LABELING: see section 14

1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

Product name: XENUM BRAKE CLEANER PRO XXXL
Product code: 4175750
Commercial use: Cleaner solvent
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

Emergency telephone number: +32 52 22 38 08

Responsible MSDS: info@xenum.eu

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.

**GHS09 environment**

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

**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:



Xn; Harmful

R20/21: Harmful by inhalation and in contact with skin.

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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.

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:



Xn Harmful



F+ Extremely flammable



N Dangerous for the environment

Hazard-determining components of labelling:

xylene (mix)

Risk phrases:

- 12** Extremely flammable.
20/21 Harmful by inhalation and in contact with skin.
38 Irritating to skin.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases:

- 2** Keep out of the reach of children.
16 Keep away from sources of ignition - No smoking.
23 Do not breathe fumes/aerosol.
24/25 Avoid contact with skin and eyes.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
46 If swallowed, seek medical advice immediately and show this container or label.

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.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: Mixtures

Description: Active substance with propellant

Dangerous components:

CAS: 64742-49-0 EINECS: 265-151-9	Naphtha (petroleum), hydrotreated light Xn R65; Xi R38; F R11; N R51/53 R67	50-100%
	Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	
CAS: 1330-20-7 EINECS: 215-535-7	xylene (mix) Xn R20/21; Xi R38 R10	10-<25%
	Flam. Liq. 3, H226; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	
CAS: 67-64-1 EINECS: 200-662-2	Acetone Xi R36; F R11 R66-67	2.5-<10%
	Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	
CAS: 124-38-9 EINECS: 204-696-9	carbon dioxide	2.5-<10%
	Press. Gas, H280	

Ingredients according to detergents guideline 648/2004/EC

aliphatic hydrocarbons	≥ 30%
aromatic hydrocarbons	15 - 30%

4. FIRST AID

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

Information for doctor:

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

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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:**Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.**Methods and material for containment and cleaning up:**Dispose contaminated material as waste according to item 13.
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**HANDLING****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.**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:

1330-20-7 xylene (mix)	
WEL	Short-term value: 441 mg/m ³ , 100 ppm Long-term value: 220 mg/m ³ , 50 ppm Sk; BMGV
67-64-1 Acetone	
WEL	Short-term value: 3620 mg/m ³ , 1500 ppm Long-term value: 1210 mg/m ³ , 500 ppm
124-38-9 carbon dioxide	
WEL	Short-term value: 27400 mg/m ³ , 15000 ppm Long-term value: 9150 mg/m ³ , 5000 ppm

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

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.
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 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**General Information:**

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: 78°C

Flash point: <0°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: 7.7 Vol %

Vapour pressure at 20°C: 5.2 Bar

Density at 20°C: 0.774 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.

Solvent content: Organic solvents: 96.3 %

Other information: No further relevant information available.

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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:**

LD/LC50 values relevant for classification:		
64742-49-0 Zaphtha (petroleum), hydrotreated light		
Oral	LD50	4300-6000 mg/kg (rat)
Dermal	LD50	>3000 mg/kg (rabbit)
Inhalative	LC50/4h	>60 mg/l (rat)
1330-20-7 xylene (mix)		
Oral	LD50	8700 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rbt)
Inhalative	LC50/4h	6350 mg/l (rat)
67-64-1 Acetone		
Oral	LD50	5800 mg/kg (rat)
Dermal	LD50	20000 mg/kg (rbt)
Inhalative	LC50/4h	39 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:
Harmful
Irritant

12. ECOLOGICAL INFORMATION**Toxicity**

Acquatic toxicity:	
64742-49-0 Zaphtha (petroleum), hydrotreated light	
LC50	35-37 mg/l (Fish)
1330-20-7 xylene (mix)	
EC50	7.4 mg/l (Daphnia Magna 48h)
LC50	3.77 - 13.5 mg/l (Fish (96h))
67-64-1 Acetone	
EC50/48h	39 mg/l (Daphnia magna)
LC50/96h	>5000 mg/l (Fish)

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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.

Ecotoxicological 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

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.

European waste catalogue:

20 01 99	other fractions not otherwise specified
07 01 04*	other organic solvents, washing liquids and mother liquors
15 01 04	metallic packaging

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

14. TRANSPORT INFORMATION**Land transport ADR/RID (cross-border)**

ADR/RID class: 2 5F Gases.

Danger code (Kemler): -

U2-Zumber: 1950

Packaging group: -

Hazard label: 2.1

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Special marking: Symbol (fish and tree)
U2 proper shipping name: 1950 AEROSOLS, ENVIRONMENTALLY HAZARDOUS
Limited quantities (LQ) 1L
Transport category 2
Tunnel restriction code D

Maritime transport IMDG:



Danger code (Kemler): -
U2-2umber: 1950
Packaging group: -
Hazard label: 2.1
Special marking: Symbol (fish and tree)
U2 proper shipping name: 1950 AEROSOLS, ENVIRONMENTALLY HAZARDOUS
Limited quantities (LQ): 1L
Transport category: 2
Tunnel restriction code: D

Air transport ICAO-TI and IATA-DGR:



ICAO/IATA Class: 2.1
U2/ID 2umber: 1950
Label: 2.1
Packaging group: -
Proper shipping name: AEROSOLS, flammable

U2 "Model Regulation": UN1950, AEROSOLS, ENVIRONMENTALLY HAZARDOUS, 2.1

Special precautions for user: Warning: Gases.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

15. REGULATORY INFORMATION

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

National regulations:

Technical instructions (air):

Class	Share in %
NK	50-100

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VOC-CH 96.30 %**VOC-EU** 745.4 g/l**Danish MAL Code** 5-3**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:

- H225** Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H280 Contains gas under pressure; may explode if heated.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.
- R10** Flammable.
R11 Highly flammable.
R20/21 Harmful by inhalation and in contact with skin.
R36 Irritating to eyes.
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.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

Department issuing MSDS: Product safety department.

Contact: info@xenum.eu

Abbreviations and acronyms:

- ADR:** Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods

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IATA: International Air Transport Association
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)
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
MAL-Code: Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)
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.
