

XENUM - Chain Pro

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

1.1 - Product identifier

Trade name/designation XENUM - Chain Pro
Chemical name
Product-type Mixture

1.2 - Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses - Lubricants, greases, release products
Uses advised against - Do not use for medical-clinical purposes.
- Do not use for products which come into contact with the food stuffs.

1.3 - Details of the supplier of the safety data sheet

XENUM NV/SA
Vluchtenburgstraat 9
2630 Aartselaar Belgium
Telephone : +32(0)3 846 48 03
XENUM HQ: +32(0)3 846 48 03 info@xenum.com

1.4 - Emergency telephone number

BelgiumPoison Centre. Tel: (+32) 070 245 245 or (+32) 02 264 96 30

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

This mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

Aerosol 1	Aerosols, Category 1
Asp. Tox. 1	Aspiration hazard, Category 1
Skin Irrit. 2	Irritation, Category 2
STOT SE 3 (H336)	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2

2.2 - Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word : Danger

Hazard pictograms



Hazard statements

H222	Extremely flammable aerosol
H229	Pressurised container: May burst if heated

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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
Precautionary statements	
P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
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.
P261	Avoid breathing dust, fume, gas, mist, vapours, spray.
P280	Wear protective gloves, protective clothing, eye protection, face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P321	Specific treatment (see information on this label).
P405	Store locked up.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.
P501	Dispose of contents/container to an accredited treatment center.
EUH-phrases	: None

Regulation (EC) No. 648/2004 (Detergents regulation)

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2.3 - Other hazards

PBT-substance. - No information available.

vPvB-substance. - No information available.

Other hazards which do not result in classification - No information available.

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

Chemical name	No	%	Class	Spec. concentrations
pentane isopentane, 2-methylbutane	CAS No. : 109-66-0 Index No. : 601-006-00-1 EC No. : 203-692-4 REACH No. : 01-2119459286-30	3 - 10	Aquatic Chronic 2 - H411 Asp. Tox. 1 - H304 Flam. Liq. 1 - H224 STOT SE 3 (H336) - H336	
butane (containing ≥ 0,1 % butadiene (203-450-8))	CAS No. : 106-97-8 Index No. : 601-004-01-8 EC No. : 203-448-7 REACH No. : 01-2119474691-32	10 - 25	Flam. Gas 1 - H220 Gaz dissous - H280 Press. Gas -	

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Chemical name	No	%	Class	Spec. concentrations
propane	CAS No. : 74-98-6 Index No. : EC No. : 200-827-9 REACH No. : 01-2119486944-21	3 - 10	Flam. Gas 1 - H220 Gaz liquéfié - H280	

SECTION 4: First aid measures

4.1 - Description of first aid measures

4.2 - Most important symptoms and effects, both acute and delayed

4.3 - Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

5.1 - Extinguishing media

5.2 - Special hazards arising from the substance or mixture

5.3 - Advice for firefighters

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

6.2 - Environmental precautions

6.3 - Methods and material for containment and cleaning up

6.4 - Reference to other sections

SECTION 7: Handling and storage

7.1 - Precautions for safe handling

7.2 - Conditions for safe storage, including any incompatibilities

7.3 - Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

8.2 - Exposure controls

Appropriate engineering controls

- Technical measures and the application of suitable work processes have priority over personal protection equipment.

Individual protection measures, such as personal protective equipment

- Protective gloves



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- Suitable material: NBR (Nitrile rubber)

- Suitable respiratory protection apparatus: Respiratory protection helmet/hood

- Eye protection

- Permeation: Breakthrough time > 240 min

- Required properties: Type 3
Liquid-tight



Environmental exposure controls

- No information available.

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

<u>Physical state</u>	Liquid	<u>Appearance</u>	Aerosol
<u>Colour</u>		<u>Odour</u>	earthy
Odour threshold		No data available	
pH		No data available	
Melting point		No data available	
Freezing point		No data available	
Boiling point		-44,5 °C	
Flash point		-97 °C	
Evaporation rate		No data available	
flammability		> 200 °C	
Lower explosion limit		0,8 % Vol.	
Upper explosion limit		10,9 % Vol.	
Vapour pressure		8300 hPa	
Vapour density		No data available	
Relative density		No data available	
Relative density		No data available	
Solubility (Water)		No data available	
Solubility (Ethanol)		No data available	
Solubility (Acetone)		79,2 %	
Solubility (Organic solvents)		No data available	
Log KOC		No data available	
Auto-ignition temperature		No data available	

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Decomposition temperature	No data available
Kinematic viscosity	No data available
Dynamic viscosity	No data available

9.2 - Other information

VOC content	79,6 %
Minimum ignition energy	No data available
Conductivity	No data available

SECTION 10: Stability and reactivity

10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.
- In case of vaporization: Danger of explosion

10.4 - Conditions to avoid

- In case of exceeding the storage temperature: Danger of explosion

10.5 - Incompatible materials

- No information available.

10.6 - Hazardous decomposition products

- Carbon dioxide
- Carbon monoxide

SECTION 11: Toxicological information

11.1 - Information on toxicological effects

Acute toxicity - Not classified

LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available
LC50 inhalation (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available
LC50 inhalation vapours (rat)	No data available

Skin corrosion/irritation - Irritation, Category 2 - Causes skin irritation
- Irritating to skin.

Serious eye damage/eye irritation - Not classified

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<u>Respiratory or skin sensitisation</u>	- Not classified
<u>Germ cell mutagenicity</u>	- Not classified
<u>Carcinogenicity</u>	- Not classified
<u>Reproductive toxicity</u>	- Not classified
	- This substance does not meet the criteria for classification as CMR category 1A or 1B according to CLP.
<u>STOT-single exposure</u>	- Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation - May cause drowsiness or dizziness
<u>STOT-repeated exposure</u>	- Not classified - No information available.
<u>Aspiration hazard</u>	- Aspiration hazard, Category 1 - May be fatal if swallowed and enters airways

SECTION 12: Ecological information

12.1 - Toxicity

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	No data available

12.4 - Mobility in soil

12.5 - Results of PBT and vPvB assessment

- No information available.

- No information available.

12.6 - Other adverse effects

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

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<u>Waste treatment methods</u>	- Dispose of waste according to applicable legislation. - Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.
<u>Sewage disposal</u>	- No information available.
<u>Special precautions for waste treatment</u>	- Consult the appropriate local waste disposal expert about waste disposal.
<u>Community or national or regional provisions</u>	- Recycle according to official regulations.

SECTION 14: Transport information

14.1 - UN number

UN number (ADR) : UN1950

14.2 - UN proper shipping name

UN proper shipping name (ADR) : AEROSOLS, flammable (Naphtha (petroleum), hydrotreated light)

14.3 - Transport hazard class(es)

ADR Transport hazard class(es) : 2

ADR Classification code: : 5F

Pictograms



14.4 - Packing group

Packing group :

14.5 - Environmental hazards

Environmental hazards : Yes.

Marine pollutant : Hazardous to the aquatic environment — Chronic Hazard, Category 2

14.6 - Special precautions for user

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ADR

ADR Classification code:	:	5F
ADR Special provisions	:	190+327+344+625
ADR Limited quantity (LQ)	:	1 L
ADR Excepted quantities	:	E0
ADR Packing instructions	:	P207 LP02
ADR Special packing provisions	:	PP87 RR6 L2
ADR Mixed packing provisions	:	MP9
Instructions for portable tanks and bulk containers	:	
Special provisions for portable tanks and bulk containers	:	
ADR tank code	:	
ADR tanks special provisions	:	
Vehicle for tank carriage	:	
ADR Transport category	:	2
ADR Tunnel restriction code	:	D
ADR Special provisions loading, unloading and handling	:	CV9 CV12
Special provisions - Packages	:	V14
Special provisions - Bulk	:	
Special provisions - Operation	:	S2
ADR Hazard identification number (Kemler No.)	:	

14.7 - Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

SECTION 15: Regulatory information

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

Substances REACH candidates	None
Substances Annex XIV	None
Substances Annex XVII	None
VOC content	79,6 %

- Aliphatic hydrocarbons: 30% or more

Regulation (EC) No. 648/2004 (Detergents regulation)

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15.2 - Chemical Safety Assessment

SECTION 16: Other information

SDS versions

Version	Issue date	Description of the amendments
1	14/07/2017	

Texts of the regulatory sentences

Aerosol 1	Aerosols, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2

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Asp. Tox. 1	Aspiration hazard, Category 1
Flam. Gas 1	Flammable gas. - Category 1
Flam. Liq. 1	Flammable liquid and vapour. - Category 1
Gaz dissous	Dissolved gas
Gaz liquéfié	Liquefied gas
H220	Extremely flammable gas
H222	Extremely flammable aerosol
H225	Highly flammable liquid and vapour
H229	Pressurised container: May burst if heated
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H336	May cause drowsiness or dizziness
H340	May cause genetic defects - state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard
H350	May cause cancer - state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard
H411	Toxic to aquatic life with long lasting effects
Press. Gas	Gases under pressure
Skin Irrit. 2	Irritation, Category 2
STOT SE 3 (H336)	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation

Training advice - Special training for first aid necessary.

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