

## Xenum - DPF Pro

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

#### 1.1. - Product identifier

Trade name Xenum - DPF Pro  
Chemical name  
Product-type Mixture  
Product code 3215350

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

Relevant identified uses of the substance or mixture - Fuel and fuel additive  
Uses advised against of the substance or mixture - 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  
Phone +32(0)3 846 48 03  
XENUM HQ: +32(0)3 846 48 03 info@xenum.com

#### 1.4. - Emergency telephone number

- Poison Centre. Tel: (+32) 070 245 245 or (+32) 02 264 96 30  
BelgiumPoison Centre. Tel: (+32) 070 245 245 or (+32) 02 264 96 30  
NL Alleen voor professionele hulpverleners: Nationaal Vergiftigingen Informatiecentrum (NVIC): +31(0)3 02 74 88 88  
Czech RepublicToxicological Information Centre Telefon: +420 224 919 293, +420 224 915 402  
GermanyGiftnotruf der Charité CBF, Tel.: + 49 (0) 30/19240  
NorwayPoison Centre. Tel: (+47) 22 59 13 00  
SpainToxicology Information Service. Tel: (+34) 91 562 04 20  
ItalyCentro Antiveleni Firenze Tel (+39)055 794.7819

### SECTION 2 - Hazards identification

#### 2.1. - Classification of the substance or mixture

Muta. 1B	Germ cell mutagenicity, Category 1B
Carc. 1B	Carcinogenicity - Category 1B
Asp. Tox. 1	Aspiration hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard, Category 2

#### 2.2. - Label elements

Contains: Naphtha (petroleum), hydrotreated heavy, Low boiling point hydrogen treated naphtha, [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C13 and boiling in the range of approximately 65°C to 230°C (149°F to 446°F).] (CAS No.: 64742-48-9)||Distillates (petroleum), hydrotreated light, Kerosine - unspecified, [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approximately 150 °C to 290 °C (302 °F to 554 °F).] (CAS No.: 64742-47-8)|| (CAS No.: 64742-94-5)

Signal word Danger

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### Hazard pictograms



### Hazard statements

H304	May be fatal if swallowed and enters airways
H340	May cause genetic defects
H350	May cause cancer
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
P273	Avoid release to the environment
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P405	Store locked up
P501	Dispose of contents/container to an accredited treatment center

### EUH-phrases

EUH208	Contains 3,6,9-triazaundecamethylenediamine, tetraethylenepentamine (112-57-2) . May produce an allergic reaction
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### 2.3. - Other hazards

PBT substance or mixture - No information available.

vPvB substance or mixture - 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

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Chemical name	No	%	Class	Spec. concentrations
Naphtha (petroleum), hydrotreated heavy, Low boiling point hydrogen treated naphtha, [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C13 and boiling in the range of approximately 65°C to 230°C (149°F to 446°F).]	CAS No. : 64742-48-9 Index No. : 649-327-00-6 EC No. : 265-150-3	50 - 60	Asp. Tox. 1 - H304 Carc. 1B - H350 Muta. 1B - H340	
2-Ethylhexylnitrate	CAS No. : 27247-96-7 Index No. : EC No. : 248-363-6 REACH No. : 01-2119487289-20	15 - 20	Acute Tox. 4 Dermal - H312 Acute Tox. 4 Inhalation - H332 Acute Tox. 4 Oral - H302 Aquatic Chronic 2 - H411	
Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified, [A complex combination of hydrocarbons obtained from distillation of aromatic streams. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of	CAS No. : 64742-94-5 Index No. : 649-424-00-3 EC No. : 265-198-5 REACH No. : 01-2119463588-24	5	Aquatic Chronic 2 - H411 Asp. Tox. 1 - H304 STOT SE 3 (H336) - H336	
naphthalene	CAS No. : 91-20-3 Index No. : 601-052-00-2 EC No. : 202-049-5	0,5 - 1	Acute Tox. 4 Oral - H302 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 Carc. 2 - H351	
3,6,9-triazaundecamethylene diamine, tetraethylenepentamine	CAS No. : 112-57-2 Index No. : 612-060-00-0 EC No. : 203-986-2	0,1	Acute Tox. 4 Dermal - H312 Acute Tox. 4 Oral - H302 Aquatic Chronic 2 - H411 Skin Corr. 1B - H314 Skin Sens. 1 - H317	

## SECTION 4 - First aid measures

### 4.1. - Description of first aid measures

#### Measures in case of inhalation

- No special measures are necessary.
- Provide fresh air.

#### Measures in case of contact with skin

- Wash immediately with: Water
- When in doubt or if symptoms are observed, get medical advice.

#### Measures in case of contact with eyes

- Rinse immediately carefully and thoroughly with eye-bath or water.
- In case of eye irritation consult an ophthalmologist.

#### Measures in case of ingestion

- Rinse mouth thoroughly with water.
- Do NOT induce vomiting.

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

#### Symptoms and effects after inhalation

- No information available.

#### Symptoms and effects after contact with skin

- No information available.

#### Symptoms and effects after contact with eyes

- No information available.

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Symptoms and effects after ingestion - No information available.

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

### SECTION 5 - Firefighting measures

5.1. - Extinguishing media

Suitable extinguishing media

- ABC-powder
- Carbon dioxide (CO2)
- Foam
- Extinguishing powder

Unsuitable extinguishing media - High power water jet

5.2. - Special hazards arising from the substance or mixture

Special hazards - No information available.

5.3. - Advice for firefighters

- Co-ordinate fire-fighting measures to the fire surroundings.

### SECTION 6 - Accidental release measures

6.1. - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

- Use personal protection equipment.
- Provide adequate ventilation.

For emergency responders - No information available.

6.2. - Environmental precautions

- No information available.

6.3. - Methods and material for containment and cleaning up

Appropriate containment techniques - No information available.

Appropriate clean-up procedures

- Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
- Wash with plenty of water.

Inappropriate techniques - No information available.

6.4. - Reference to other sections

- Disposal: see section 13

- Personal protection equipment: see section 8

### SECTION 7 - Handling and storage

7.1. - Precautions for safe handling

Recommendations - No special technical protective measures are necessary.

Advice on general occupational hygiene - No information available.

7.2. - Conditions for safe storage, including any incompatibilities

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- No information available.

### 7.3. - Specific end use(s)

## SECTION 8 - Exposure controls/personal protection

### 8.1. - Control parameters

### 8.2. - Exposure controls

Appropriate engineering controls - No information available.

Individual protection measures, such as personal protective equipment - Suitable protective clothing: lab coat

## SECTION 9 - Physical and chemical properties

### 9.1. - Information on basic physical and chemical properties

<u>Physical state</u> <u>Color</u>	<u>Liquid</u> colourless	<u>Appearance</u> <u>Odor</u>	<u>Liquid</u> characteristic
Odour threshold		No data available	
pH		No data available	
Melting point		< 0 °C	
Freezing point		No data available	
Boiling point		160 °C	
Flash point		66 °C	
Evaporation rate		No data available	
flammability		No data available	
Lower explosion limit		0,7 % Vol.	
Upper explosion limit		7 % Vol.	
Vapour pressure		0,95 Pa	
Vapour density		No data available	
Relative density		No data available	
Density		0,81 g/cm3	
Solubility (Water)		No data available	
Solubility (Ethanol)		No data available	
Solubility (Acetone)		No data available	
Solubility (Organic solvents)		No data available	
Log KOC - Partition coefficient: n-octanol/water		No data available	
Auto-ignition temperature		No data available	
Decomposition temperature		No data available	
Kinematic viscosity		No data available	
Dynamic viscosity		No data available	

### 9.2. - Other information

VOC content	99,01 %
Minimum ignition energy	No data available
Conductivity	No data available

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### 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.

#### 10.4. - Conditions to avoid

- No information available.

#### 10.5. - Incompatible materials

- No information available.

#### 10.6. - Hazardous decomposition products

- Does not decompose when used for intended uses.

### 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

- Based on available data, the classification criteria are not met.

Skin corrosion/irritation - Not classified

Serious eye damage/irritation - Not classified

Respiratory or skin sensitisation - Not classified

Germ cell mutagenicity - Germ cell mutagenicity, Category 1B - May cause genetic defects

Carcinogenicity - Carcinogenicity - Category 1B - May cause cancer

Reproductive toxicity - Not classified

Specific target organ toxicity - Single exposure - Not classified

Specific target organ toxicity - Repeated exposure - Not classified

Aspiration hazard - Aspiration hazard, Category 1 - May be fatal if swallowed and enters airways

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### 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

- Toxic to aquatic life with long lasting effects.

#### 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

- No information available.

#### 12.3. - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC - Partition coefficient: n-octanol/water	No data available

- No indication of bioaccumulation potential.

#### 12.4. - Mobility in soil

- No information available.

#### 12.5. - Results of PBT and vPvB assessment

- No information available.

- No information available.

#### 12.6. - Other adverse effects

- No information available.

### SECTION 13 - Disposal considerations

#### 13.1. - Waste treatment methods

<u>Appropriate methods of waste treatment</u>	- Dispose of waste according to applicable legislation.
<u>Sewage disposal</u>	- No information available.
<u>Special precautions for waste treatment</u>	- No information available.
<u>Community or national or regional provisions</u>	- No information available.

### SECTION 14 - Transport information

#### 14.1. - UN number

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UN number (ADR) : UN3082

### 14.2. - UN proper shipping name

UN proper shipping name (ADR) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

### 14.3. - Transport hazard class(es)

ADR Class : 9

ADR Classification code : M6

Pictograms

### 14.4. - Packing group

Packing group : III

### 14.5. - Environmental hazards

Environmental hazards : Yes

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

### 14.6. - Special precautions for user

#### **ADR**

<u>ADR Classification code</u>	:	M6
<u>ADR Special provisions</u>	:	274+335+375+601
<u>ADR Limited quantities</u>	:	5 L
<u>ADR Excepted quantities</u>	:	E1
<u>ADR Packing instructions</u>	:	P001 IBC03 LP01 R001
<u>ADR Special packing provisions</u>	:	PP1
<u>ADR Mixed packing provisions</u>	:	MP19
<u>Instructions for portable tanks and bulk containers</u>	:	T4
<u>Special provisions for portable tanks and bulk containers</u>	:	TP1 TP29
<u>ADR tank code</u>	:	LGBV
<u>ADR tanks special provisions</u>	:	
<u>Vehicle for tank carriage</u>	:	AT
<u>ADR Transport category</u>	:	3
<u>ADR Tunnel restriction code</u>	:	E
<u>ADR Special provisions loading, unloading and handling</u>	:	CV13
<u>Special provisions - Packages</u>	:	V12
<u>Special provisions - Bulk</u>	:	
<u>Special provisions - Operation</u>	:	
<u>ADR Hazard Identification No.</u>	:	90

### 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



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Components in the list of None  
Reach candidates

Components in Annex XIV None

Components in Annex XVII None

VOC content 99,01 %

### 15.2. - Chemical safety assessment

Chemical safety assessment carried out for the product - No information available.

## SECTION 16 - Other information

### SDS versions

Version No.	Date of issue	Description of the amendments
1,01	27/09/2016	
1	26/04/2016	Changements in P-phrases

### Texts of the regulatory sentences

Acute Tox. 4 Dermal	Acute toxicity (dermal), Category 4
Acute Tox. 4 Inhalation	Acute toxicity (inhal.), Category 4
Acute Tox. 4 Oral	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 1B	Carcinogenicity - Category 1B
Carc. 2	Carcinogenicity, Category 2
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
H332	Harmful if inhaled
H340	May cause genetic defects
H350	May cause cancer
H351	Suspected of causing cancer - state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
Muta. 1B	Germ cell mutagenicity, Category 1B
Skin Corr. 1B	Skin corrosion, Category 1B
Skin Sens. 1	Skin sensitization - Category 1
STOT SE 3 (H336)	Specific target organ toxicity - Single exposure, Category 3, Respiratory tract irritation

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