

XENUM - Intake Pro Diesel

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

1.1 - Product identifier

Trade name/designation XENUM - Intake Pro Diesel
Chemical name
Product-type Mixture
Product code 4045500

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

<u>Relevant identified uses</u>	- Additive
<u>Uses advised against</u>	- Do not use for products which come into contact with the food stuffs. - Do not use for products which come into direct contact with the skin.

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]

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

Skin Irrit. 2	Irritation, Category 2
Eye Dam. 1	Serious eye damage, Category 1
STOT SE 3 (H335)	STOT-single exposure - Category 3 (H335)
STOT SE 3 (H336)	STOT-single exposure - Category 3 (H336)
Aerosol 1	Aerosol - Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Aquatic Chronic 2

2.2 - Label elements

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

Contains: oleic acid (CAS No.: 112-80-1)||2-methylpropan-1-ol, iso-butanol (CAS No.: 78-83-1)

Signal word : Danger

Hazard pictograms



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Hazard statements

H222	Extremely flammable aerosol
H229	Pressurised container: May burst if heated
H315	Causes skin irritation
H318	Causes serious eye damage
H335	May cause respiratory 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.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P302+P352	IF ON SKIN: Wash with plenty of water .
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
EUH-phrases	: None

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
oleic acid	CAS No. : 112-80-1 Index No. : EC No. : 204-007-1	10 - < 25	Eye Irrit. 2 - H319 Skin Irrit. 2 - H315 STOT SE 3 (H335) - H335	
propane	CAS No. : 74-98-6 Index No. : EC No. : 200-827-9 REACH No. : 01-2119486944-21	10 - < 25	Flam. Gas 1 - H220 Gaz liquéfié - H280	
2-butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve	CAS No. : 111-76-2 Index No. : 603-014-00-0 EC No. : 203-905-0 REACH No. : 01-2119475108-36	10 - < 25	Acute Tox. 4 Dermal - H312 Acute Tox. 4 Inhalation - H332 Acute Tox. 4 Oral - H302 Eye Irrit. 2 - H319 Skin Irrit. 2 - H315	
2-methylpropan-1-ol, iso-butanol	CAS No. : 78-83-1 Index No. : 603-108-00-1 EC No. : 201-148-0	10 - < 25	Eye Dam. 1 - H318 Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 STOT SE 3 (H335) - H335 STOT SE 3 (H336) - H336	

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Chemical name	No	%	Class	Spec. concentrations
ammonia%	CAS No. : 1336-21-6 Index No. : 007-001-01-2 EC No. : 215-647-6	1 - 2,5	Aquatic Acute 1 - H400 Skin Corr. 1B - H314	STOT SE 3 (H335) - H335 : 5>=%<=100

SECTION 4: First aid measures

4.1 - Description of first aid measures

<u>Following inhalation</u>	- No special measures are necessary. - Provide fresh air.
<u>Following skin contact</u>	- After contact with skin, wash immediately with plenty of water and soap. - In case of skin irritation, consult a physician.
<u>After eye contact</u>	- In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.
<u>After ingestion</u>	- Rinse mouth thoroughly with water. - Do NOT induce vomiting.

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

<u>Symptoms and effects - Following inhalation</u>	- No information available.
<u>Symptoms and effects - Following skin contact</u>	- Causes skin irritation.
<u>Symptoms and effects - After eye contact</u>	- Serious eye damage/eye irritation
<u>Symptoms and effects - After ingestion</u>	- No information available.

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

- Treat symptomatically.

SECTION 5: Firefighting measures

5.1 - Extinguishing media

<u>Suitable extinguishing media</u>	- ABC-powder - Carbon dioxide (CO2) - Foam - Extinguishing powder
<u>Unsuitable extinguishing media</u>	- Full water jet

5.2 - Special hazards arising from the substance or mixture

<u>Special hazards arising from the substance or mixture</u>	- No information available.
<u>Hazardous decomposition products</u>	- Carbon dioxide (CO2) - Carbon monoxide

5.3 - Advice for firefighters

- Co-ordinate fire-fighting measures to the fire surroundings.
- Remove product from area of fire.

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SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel - Use personal protection equipment.

For emergency responders - No information available.

6.2 - Environmental precautions

- No information available.

6.3 - Methods and material for containment and cleaning up

Methods and material for containment - No information available.

Methods and material for cleaning up - 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
- Safe handling: see section 7

SECTION 7: Handling and storage

7.1 - Precautions for safe handling

Recommendation - Avoid: Eye contact
- It is recommended to design all work processes always so that the following is excluded: Eye contact
- Avoid: Skin contact
- It is recommended to design all work processes always so that the following is excluded: Skin contact

Advices on general occupational hygiene - Avoid contact with skin, eyes and clothes.
- Work in well-ventilated zones or use proper respiratory protection.
- Immediately remove any contaminated clothing, shoes or stockings.
- Wash hands before breaks and after work.

7.2 - Conditions for safe storage, including any incompatibilities

- No information available.

7.3 - Specific end use(s)





- No information available.

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

8.2 - Exposure controls

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<u>Appropriate engineering controls</u>	- No information available.
<u>Individual protection measures, such as personal protective equipment</u>	<ul style="list-style-type: none"> - Suitable eye protection: Eye glasses with side protection - Suitable eye protection: Dust protection eye glasses - Suitable protective clothing: lab coat - Tested protective gloves must be worn - For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. - Barrier creams are not substitutes for body protection. - EN 374 - Suitable material: NBR (Nitrile rubber) - Permeation: Breakthrough time > 240 min - Recommended thickness of the material: >= 0.5 mm - Check leak tightness/impermeability prior to use.
	   
<u>Environmental exposure controls</u>	- 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>	
<u>Odour threshold</u>	No data available		

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pH	10
Melting point	No data available
Freezing point	No data available
Boiling point	-44 °C
Flash point	-97 °C
Evaporation rate	No data available
flammability	240 °C
Lower explosion limit	0,7 % Vol.
Upper explosion limit	12 % Vol.
Vapour pressure	8300 hPa
Vapour density	No data available
Relative density	No data available
Density	0,82 g/cm ³
Solubility (Water)	No data available
Solubility (Ethanol)	No data available
Solubility (Acetone)	No data available
Solubility (Organic solvents)	64,9 %
Log KOC	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	No data available
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.

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.

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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.

oleic acid (112-80-1)

LD50 oral (rat)	74000 mg/kg
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2-butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve (111-76-2)

LD50 oral (rat)	1300 mg/kg
LD50 dermal (rat)	> 2000 mg/kg
LC50 inhalation dusts and mists (rat)	> 3,1 mg/l

Skin corrosion/irritation - Irritation, Category 2 - Causes skin irritation

- Irritating to skin.

Serious eye damage/eye irritation - Serious eye damage, Category 1 - Causes serious eye damage

- Risk of serious damage to eyes.
- Causes serious eye irritation.

Respiratory or skin sensitisation - Not classified

Germ cell mutagenicity - Not classified

Carcinogenicity - Not classified

- This substance does not meet the criteria for classification as CMR category 1A or 1B according to CLP.

Reproductive toxicity - Not classified

- This substance does not meet the criteria for classification as CMR category 1A or 1B according to CLP.

STOT-single exposure - STOT-single exposure - Category 3 (H335) - May cause respiratory irritation
- STOT-single exposure - Category 3 (H336) - May cause drowsiness or dizziness

STOT-repeated exposure - Not classified

Aspiration hazard - Not classified

SECTION 12: Ecological information

12.1 - Toxicity

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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

2-butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve (111-76-2)

LC50 96 hr fish	1474 mg/l
ErC50 algae	1550 mg/l
NOEC chronic crustacea	> 100 mg/l

- The substance/mixture does not fulfill the criteria of the acute aquatic toxicity according to Regulation (EC) No 1272/2008 [CLP], Annex I.

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	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>Waste treatment methods</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>	- Dispose according to legislation. - Recycle according to official regulations.

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SECTION 14: Transport information

14.1 - UN number

UN number (ADR) : UN1950

UN number (IMDG) : UN1950

14.2 - UN proper shipping name

UN proper shipping name (ADR) : AEROSOLS, flammable (2-methylpropan-1-ol, iso-butanol, ammonia%)

UN proper shipping name (IMDG) : AEROSOLS, flammable (2-methylpropan-1-ol, iso-butanol, ammonia%)

14.3 - Transport hazard class(es)

ADR Transport hazard class(es) : 2

ADR Classification code: : 5F

Pictograms



Transport hazard class(es) (IMDG) : 2

Pictograms



14.4 - Packing group

Packing group :

Packing group (IMDG) :

14.5 - Environmental hazards

Environmental hazards : Yes.

Marine pollutant : Hazardous to the aquatic environment - Aquatic Chronic 2

14.6 - Special precautions for user

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ADR

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

IMDG

<u>Special provisions</u>	:	
<u>Limited quantity (LQ)</u>	:	1L
<u>Excepted quantities</u>	:	E0
<u>Packing instructions</u>	:	
<u>Special packing provisions</u>	:	
<u>IBC instruction(s)</u>	:	
<u>IBC provisions</u>	:	
<u>Instructions for portable tanks and bulk containers</u>	:	
<u>Special provisions for portable tanks and bulk containers</u>	:	
<u>EmS codes</u>	:	F-D,S-U
<u>Stowage and handling</u>	:	
<u>Segregation</u>	:	Alkalis
<u>Properties and observations</u>	:	

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

<u>Substances REACH candidates</u>	None
<u>Substances Annex XIV</u>	None
<u>Substances Annex XVII</u>	None
<u>VOC content</u>	No data available

15.2 - Chemical Safety Assessment

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

SECTION 16: Other information

SDS versions

Version	Issue date	Description of the amendments
1	5/03/2018	

Texts of the regulatory sentences

Acute Tox. 4 Dermal	Acute toxicity (dermal) - Category 4
Acute Tox. 4 Inhalation	Acute toxicity (inhalative) - Category 4
Acute Tox. 4 Oral	Acute toxicity (oral) - Category 4
Aerosol 1	Aerosol - Category 1
Aquatic Acute 1	Hazardous to the aquatic environment - Aquatic Acute 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Aquatic Chronic 2
Eye Dam. 1	Serious eye damage, Category 1
Eye Irrit. 2	Eye irritation - Category 2
Eye Irrit. 2A	Eye irritation - Category 2A
Flam. Gas 1	Flammable gas. - Category 1
Flam. Liq. 3	Flammable liquid and vapour. - Category 3
Gaz liquéfié	Liquefied gas
H222	Extremely flammable aerosol
H226	Flammable liquid and vapour
H229	Pressurised container: May burst if heated
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H400	Very toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects
Skin Corr. 1B	Skin corrosion, Category 1B
Skin Irrit. 2	Irritation, Category 2
STOT SE 3 (H335)	STOT-single exposure - Category 3 (H335)
STOT SE 3 (H336)	STOT-single exposure - Category 3 (H336)

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