

XENUM - I-FLUX FLUID

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

1.1. - Product identifier

Trade name XENUM - I-FLUX FLUID
Chemical name
Product-type Mixture
Product code 6124001

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 Belgium
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
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

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

Carc. 2	Carcinogenicity, Category 2
STOT SE 3 (H336)	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
Asp. Tox. 1	Aspiration hazard, Category 1
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]

Contains: 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)||Hydrocarbons, C10, aromatics, >1% naphthalene (CAS No.:)|| (CAS No.: 91-20-3)

Signal word : Danger

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Hazard pictograms



Hazard statements

H304	May be fatal if swallowed and enters airways
H336	May cause drowsiness or dizziness
H351	Suspected of causing cancer
H411	Toxic to aquatic life with long lasting effects

Precautionary statements

P102	Keep out of reach of children
P103	Read label before use
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 : None

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

Chemical name	No	%	Class	Spec. concentrations
Hydrocarbons, C10, aromatics, >1% naphthalene	CAS No. : Index No. : EC No. : 919-284-0 REACH No. : 01-2119463588-24	75 - 95	Asp. Tox. 1 - H304 Carc. 2 - H351 STOT SE 3 (H336) - H336	
	CAS No. : 91-20-3 Index No. : 601-052-00-2 EC No. : 202-049-5	5 - 10	Acute Tox. 4 Oral - H302 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 Carc. 2 - H351	
naphthalene	CAS No. : 91-20-3 Index No. : 601-052-00-2 EC No. : 202-049-5	0,1 - 1	Acute Tox. 4 Oral - H302 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 Carc. 2 - H351	

SECTION 4 - First aid measures

4.1. - Description of first aid measures

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<u>Measures in case of inhalation</u>	- No special measures are necessary. - Provide fresh air.
<u>Measures in case of contact with skin</u>	- Wash immediately with: Water - When in doubt or if symptoms are observed, get medical advice.
<u>Measures in case of contact with eyes</u>	- Rinse immediately carefully and thoroughly with eye-bath or water. - In case of eye irritation consult an ophthalmologist.
<u>Measures in case of 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 after inhalation</u>	- No information available.
<u>Symptoms and effects after contact with skin</u>	- No information available.
<u>Symptoms and effects after contact with eyes</u>	- No information available.
<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 (CO ₂) - Foam - Extinguishing powder
<u>Unsuitable extinguishing media</u>	- High power water jet

5.2. - Special hazards arising from the substance or mixture

<u>Special hazards</u>	- No information available.
<u>Decomposition products</u>	- Carbon dioxide (CO ₂) - Carbon monoxide

5.3. - Advice for firefighters

- Co-ordinate fire-fighting measures to the fire surroundings.
- Wear a self-contained breathing apparatus and chemical protective clothing.

SECTION 6 - Accidental release measures

6.1. - Personal precautions, protective equipment and emergency procedures

<u>For non-emergency personnel</u>	- Use personal protection equipment. - Provide adequate ventilation.
<u>For emergency responders</u>	- No information available.

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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

- 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

Appropriate engineering controls

- No information available.

Individual protection measures, such as personal protective equipment

- Suitable protective clothing: lab coat

- Eye protection

- Protective gloves



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- Check leak tightness/impermeability prior to use.

- EN 420
- EN 455-3 (Rubber gloves)
- Suitable material: NBR (Nitrile rubber)

- Suitable material: PE (polyethylene)

- Suitable material: PVC (Polyvinyl chloride)

- Transmission 8mg/cm² for 8h (water vapour 5mg/cm²/h)

Environmental exposure controls

- Use the following chemical treatment methods for waste water: Adsorption

SECTION 9 - Physical and chemical properties

9.1. - Information on basic physical and chemical properties

<u>Physical state</u>	Liquid	<u>Appearance</u>	Liquid
<u>Color</u>	green	<u>Odor</u>	pungent
Odour threshold		No data available	
pH		No data available	
Melting point		No data available	
Freezing point		-10 °C	
Boiling point		> 62 °C	
Flash point		No data available	
Evaporation rate		No data available	
flammability		No data available	
Lower explosion limit		0,6 % Vol.	
Upper explosion limit		7 % Vol.	
Vapour pressure		No data available	
Vapour density		No data available	
Relative density		No data available	
Density		0,8 kg/l < V < 1 kg/l	
Solubility (Water)		practically insoluble	
Solubility (Ethanol)		practically insoluble	
Solubility (Acetone)		No data available	

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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	> 2 mm ² /s
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.

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

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<u>Respiratory or skin sensitisation</u>	- Not classified
<u>Germ cell mutagenicity</u>	- Not classified
<u>Carcinogenicity</u>	- Carcinogenicity, Category 2 - Suspected of causing cancer - May cause cancer.
<u>Reproductive toxicity</u>	- Not classified
<u>Specific target organ toxicity - Single exposure</u>	- Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation - May cause drowsiness or dizziness
<u>Specific target organ toxicity - Repeated exposure</u>	- Not classified - Causes damage to kidneys through prolonged or repeated exposure if inhaled.
<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

- 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.

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12.6. - Other adverse effects

- No information available.

SECTION 13 - Disposal considerations

13.1. - Waste treatment methods

Appropriate methods of waste treatment : - Dispose of waste according to applicable legislation.

Sewage disposal : - No information available.

Special precautions for waste treatment : - No information available.

Community or national or regional provisions : - No information available.

SECTION 14 - Transport information

14.1. - UN number

UN number (ADR) : UN3082

14.2. - UN proper shipping name

UN proper shipping name (ADR) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Hydrocarbons, C10, aromatics, >1% naphthalene)

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

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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

<u>Components in the list of Reach candidates</u>	None
<u>Components in Annex XIV</u>	None
<u>Components in Annex XVII</u>	None

VOC content No data available

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	23/11/2016	

Texts of the regulatory sentences

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

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Carc. 2	Carcinogenicity, Category 2
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
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H351	Suspected of causing cancer
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
STOT SE 3 (H336)	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation

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