

Safety Data Sheet

according to Regulation (EU) No. 1907/2006

I-Flux Fluid

Print date : 16.02.2010

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1. Identification of the substance/preparation and of the company/undertaking**Identification of the substance or preparation**

I-Flux Fluid

Use of the substance/preparation

Solvent.

Company/undertaking identification

Company name:	XENUM N.V.	
Street:	Steenkaaistraat 17	
Place:	B-9200 Dendermonde	
Telephone:	+32 52 223808	Telefax: +32 52 22 51 60
e-mail:	info@xenum.eu	
Contact person:	Peter Tossyn	
Emergency telephone:	+32 479 82 08 08	

2. Hazards identification**Classification**

Indications of danger : Harmful, Irritant, Dangerous for the environment
 R-phrases :
 Irritating to eyes and skin.
 Limited evidence of a carcinogenic effect.
 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 Harmful: may cause lung damage if swallowed.

Explication of special hazards for human health and environment

Prolonged/repetitive skin contact may cause skin defatting or dermatitis.

3. Composition/information on ingredients**Chemical characterization (Mixture)**

Preparation on the basis of hydrocarbons, alcohol, maintenance components such as scent extracts

Hazardous components

EC-No.	CAS-No.	Chemical name	Quantity	Classification
265-198-5	64742-94-5	Naphtha (mineral oil)	75 - 80 %	Xn, Xi, N R10-36/38-51-53-65
202-049-5	91-20-3	naphthalene	5 - 10 %	Carc. Cat. 3, Xn, N R40-22-50-53
		C10 Alkoholethoxylat	5 - 10 %	Xi R41
202-436-9	95-63-6	1,2,4-trimethylbenzene	1 - 5 %	Xn, Xi, N R10-20-36/37/38-51-53
		Hydrocarbylamin	1 - 5 %	R52-53
203-604-4	108-67-8	1,3,5-trimethylbenzene, mesitylene	< 1 %	Xi, N R10-37-51-53

Full text of each relevant R phrase can be found in heading 16.

4. First aid measures**General information**

If victim is at risk of losing consciousness, position and transport on their side. Provide fresh air.

After inhalation

Move victim to fresh air. Put victim at rest and keep warm.

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After contact with skin

After contact with skin, wash immediately with: Water and soap.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After ingestion

Give nothing to eat or drink. Do not induce vomiting.

Advice to doctor

Hazards identification: Lung irritation.

5. Fire-fighting measures

Suitable extinguishing mediaExtinguishing powder. Carbon dioxide (CO₂). Sand.**Extinguishing media which must not be used for safety reasons**

High power water jet.

Special exposure hazards arising from substance or preparation itself, combustion products, resulting gasesIn case of fire and/or explosion do not breathe fumes. Can be released in case of fire: Carbon dioxide (CO₂). Carbon monoxide.**Special protective equipment for fire-fighters**

In case of fire: Wear self-contained breathing apparatus.

Additional information

Extinguishing materials should be selected according to the surrounding area.

Fire class B: Burning liquid or melting substances.

6. Accidental release measures

Personal precautions

Provide adequate ventilation. Keep away from unprotected people. Keep upwind. Wear personal protection equipment.

Environmental precautions

Spilled product must not leak into the ground. Do not empty into drains or the aquatic environment. In case of gas being released or leakage into waters, ground or the drainage system, the appropriate authorities must be informed.

Methods for cleaning up/taking up

Suitable absorbing material: diatomaceous earth. Do not rinse down with water.

7. Handling and storage

Handling**Advice on safe handling**

Provide for sufficient ventilation and punctiform suction at critical points.

Advice on protection against fire and explosion

In case of open handling, use devices with built-in suction where possible. Product is: Highly flammable.

Further information on handling

Avoid contact with skin and eyes.

Take precautionary measures against static discharges.

Storage

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Requirements for storage rooms and vessels

Store only in original container.

Advice on storage compatibility

Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions

Suitable material for floor covering: Solvent-proof.

Storageclass (VCI):

3A

8. Exposure controls/personal protection

Exposure limit values
Exposure limits (EH40)

CAS-No.	Chemical name	ml/m ³	mg/m ³	F/ml	Category	Origin
91-20-3	Naphthalene	-	-	-	TWA (8 h)	CHAN
		-	-	-	STEL (15 min)	CHAN
95-63-6	Trimethylbenzenes	25	125	-	TWA (8 h)	WEL
108-67-8		25	125	-	TWA (8 h)	WEL
		-	-	-	STEL (15 min)	WEL
		-	-	-	STEL (15 min)	WEL

Exposure controls

Protective and hygiene measures

Do not eat, drink, smoke or sneeze at the workplace.

Respiratory protection

Respiratory protection required in case of: insufficient absorption. und prolonged action.

Hand protection

Tested protective gloves are to be worn:
 NBR (Nitrile rubber). (0,33 - 0,5 mm)
 Butyl rubber. (0,7 mm)
 CR (polychloroprenes, Chloroprene rubber). (0,7 - 1,0 mm)
 penetration time (maximum wearing period): 480 min

Eye protection

Suitable eye protection: Tightly sealed safety glasses.

Skin protection

Protective clothing: Lab apron.

9. Physical and chemical properties

General information

Physical state: liquid
 Colour: colourless
 Odour: characteristic

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Important health, safety and environmental information

	Test method
pH-Value:	Not applicable.
Changes in the physical state	
Melting point:	< -45 °C
Boiling point:	200 °C DIN 53171
Flash point:	66 °C DIN 51755
Explosive properties	
not Explosive.	
Indication applies to the solvent.	
Lower explosion limits:	0,6 vol. % DIN 51649
Upper explosion limits:	7 vol. % DIN 51649
Oxidizing properties	
not oxidizing.	
Density (at 20 °C):	0,9 g/cm ³ DIN 51757
Partition coefficient:	Undetermined.
Flow time:	< 30 s (3 mm) 3 DIN EN ISO 2431
Vapour density:	Undetermined.

Other information

Auto-ignition temperature	
Gas:	> 230 °C

10. Stability and reactivity

Conditions to avoid

In case of warming: Risk of selfignition.

Materials to avoid

Oxidizing agents.

Hazardous decomposition products

Carbon monoxide.
Nitrogen oxides (NO_x).

11. Toxicological information

Acute toxicity

Acute toxicity, oral LD50: > 2000 mg/kg species: Rat. Method: OECD (Naphtha)
Acute toxicity, dermal LD50: > 2000 mg/kg species: Rat. OECD 402 (Naphtha)
Acute toxicity, inhalant LC50: 33 mg/l (4h) species: Rat. Method: OECD (Naphtha)

Corrosive and irritant effects

After skin contact: irritant. Practical experience.

Sensitising effects

no danger of sensitization.

Severe effects after repeated or prolonged exposure

Has de-greasing effect on the skin. Frequently or prolonged contact with skin may cause dermal irritation.

12. Ecological information

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EcotoxicityAcute fish toxicity LC50: 14 g/m³ (96 h) Oncorhynchus mykiss**Mobility**

The insoluble part can be disposed of mechanically in suitable waste water cleaning plants.

Bioaccumulative potential

No indication of bio-accumulation potential.

Other adverse effects

AOX: The product contains no organically bound Halogen.

13. Disposal considerations**Advice on disposal**

Carry out a burning of hazardous waste according to official regulations.

Waste disposal number of waste from residues/unused products

140603 WASTE ORGANIC SOLVENTS, REFRIGERANTS AND PROPELLANTS (except 07 and 08); waste organic solvents, refrigerants and foam/aerosol propellants; other solvents and solvent mixtures
Classified as hazardous waste.

14. Transport information**Land transport (ADR/RID)**

UN number:	3082
ADR/RID class:	9
Classification code:	M6
Warning plate	
Hazard-no.:	90
Hazard label:	9



ADR/RID packing group:	III
Limited quantity:	LQ7
Tunnel restriction code:	E

Description of the goods

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (Naphtha (mineral oil))

Other applicable information (land transport)

Not a hazardous material with respect to these transportation regulations.

E1

Transport category: 3

Special provisions: 274 335 601

15. Regulatory information**Labelling**

Danger symbols: Xn - Harmful; N - Dangerous for the environment

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Xn - Harmful



N - Dangerous for the environment

Hazardous component(s) to be indicated on label

Naphtha (mineral oil)
naphthalene

R phrases

- | | |
|-------|---------------------------------------------------------------------------------------------|
| 36/38 | Irritating to eyes and skin. |
| 40 | Limited evidence of a carcinogenic effect. |
| 51/53 | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| 65 | Harmful: may cause lung damage if swallowed. |

S phrases

- | | |
|-------|---------------------------------------------------------------------------------------------------------|
| 23 | Do not breathe Aerosol. |
| 26 | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
| 57 | Use appropriate containment to avoid environmental contamination. |
| 60 | This material and its container must be disposed of as hazardous waste. |
| 61 | Avoid release to the environment. Refer to special instructions / Safety data sheets. |
| 62 | If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. |
| 36/37 | Wear suitable protective clothing and gloves. |

Special labelling for certain preparations

Operate if possible out of doors or in a well-ventilated place.

Additional advice on labelling

Product is classified and labelled in accordance with EC regulations or the corresponding national laws.

EU regulatory information

1999/13/EC (VOC): ca. 90 % (740 - 750 g/L)

Additional information

Sources of the most important data: 2001/118/EG, 1999/45/EG, 91/155/EWG, 67/548/EWG, GefStoffV, WRMG, WHG, TRG 300, TRGS 200, TRGS 220, ADR 2007, IMDG-Code

National regulatory information

Employment restrictions:	Observe employment restrictions for young people. Observe employment restrictions for child bearing mothers and nursing.
Water contaminating class (D):	3 - highly water contaminating

16. Other information

Full text of R-phrases referred to under sections 2 and 3

- | | |
|----------|--------------------------------------------------|
| 10 | Flammable. |
| 20 | Harmful by inhalation. |
| 22 | Harmful if swallowed. |
| 36/37/38 | Irritating to eyes, respiratory system and skin. |
| 36/38 | Irritating to eyes and skin. |
| 37 | Irritating to respiratory system. |
| 40 | Limited evidence of a carcinogenic effect. |
| 41 | Risk of serious damage to eyes. |
| 50 | Very toxic to aquatic organisms. |
| 51 | Toxic to aquatic organisms. |

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|-------|---------------------------------------------------------------------------------------------|
| 51/53 | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| 52 | Harmful to aquatic organisms. |
| 53 | May cause long-term adverse effects in the aquatic environment. |
| 65 | Harmful: may cause lung damage if swallowed. |

Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)