

MATERIAL SAFETY DATA SHEET**XENUM I-FLUX EGR Cleaning Fluid**

Conform following Regulation (EU) No. 1907/2006

Date: 16/02/2010

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PRODUCT NAME: XENUM I-FLUX EGR Cleaning Fluid
PRODUCT CODE: 6117005
HAZARD LABELING (EC) STATEMENTS H- AND P-: see section 15
TRANSPORT LABELING: see section 14

1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

Product name: XENUM I-FLUX EGR Cleaning Fluid
Product code: 6117005
Commercial use: Solvent
Supplier: XENUM N.V.
Steenkaaistraat 17
B – 9200 Dendermonde
Tel: +32 52 22 38 08
Fax: +32 52 22 51 60
e-mail: info@xenum.eu

Emergency telephone number: +32 52 22 38 08

Responsible MSDS: info@xenum.eu

2. IDENTIFICATION OF HAZARDS**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

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Additional information: Full text of each relevant R phrase can be found in heading 16.
Reach: All components are in line with Reach preregistration and registration.

4. FIRST AID

General information:

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

ADVICE IN CASE OF:

Inhalation: Move victim to fresh air. Put victim at rest and keep warm.
Skin contact: After contact with skin, wash immediately with: Water and soap.
Eye contact: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Ingestion: Give nothing to eat or drink. Do not induce vomiting.
Advice to doctor: Hazards identification: Lung irritation.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Extinguishing 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 gases: In 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.
Clean up methods: Suitable absorbing material: diatomaceous earth. Do not rinse down with water.

7. HANDLING AND STORAGE

HANDLING

Information

for safe handling: Provide for sufficient ventilation and punctiform suction at critical points.

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Information about fire - and explosion protection:

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

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
		25	125		TWA (8 h)	WEL
108-67-8		-	-		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, and 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:

Form:

liquid

Colour:

colourless

Odour:

characteristic

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 (NOx).

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.

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12. ECOLOGICAL INFORMATION

- Ecotoxicity:** Acute 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 labeling

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)

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

Additional information:

National regulatory information: Observe employment restrictions for young people. Observe employment restrictions for child bearing mothers and nursing.

Employment restrictions:

Water contaminating class (D): 3 - highly water contaminating

16. OTHER INFORMATION

This information is based on our present knowledge.

However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant R-phrases:

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

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- 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.
- 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.

Department issuing MSDS: Product safety department.

Contact: info@xenum.eu

This data is complementary to the technical bulletin of use but does not replace it. The information contained herein is based on the state of our knowledge concerning the products as at the date indicated. It has been given in good faith. The user however, should be aware of subsequent risks that may arise if this product is used in a manner for which it is not being developed. However, this does not give a dispensation to the user not to have knowledge of and apply the appropriate regulations relating to his business. The sole responsibility lies with the user rather than the producer, the regulatory requirements assembled here are set down simply to help the final user fulfil his statutory obligations, however this listing should not be considered as exhaustive. The user must issue himself that he is taking all necessary obligations other than what is set down in the text here.
