

MATERIAL SAFETY DATA SHEET**XENUM IN & OUT CLEANER**

Conform following 91/155 EEC (2001/58/EEC)

Date: 22/02/2007

Page 1/6

PRODUCT NAME: XENUM IN & OUT CLEANER**PRODUCT CODE:** 3192015**HAZARD LABELING (EC) STATEMENTS H- AND P-:** see section 15**TRANSPORT LABELING:** see section 14**1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION****Product name:** XENUM IN & OUT CLEANER**Product code:** 3192015**Commercial use:** Cleaner Additive**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****R-phrases:** Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Repeated exposure may cause skin dryness or cracking.**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)****Description:** Mixture of substances listed below with nonhazardous additions.**Hazardous components:**

EC-No.	CAS-No.	Chemical name	Quantity	Classification
265-150-3	64742-48-9	Low boiling point hydrogen treated naphtha, Naphtha (petroleum), hydrotreated heavy	75 - 80 %	Xn R65-66
248-363-6	27247-96-7	2-ethylhexyl nitrate	10 - 15 %	Xn, N R20/21/22-44-51-53-66
265-149-8	64742-47-8	Distillates (petroleum), hydrotreated light	1 - 5 %	Xn R65-66
265-198-5	64742-94-5	Solvent Naphtha (mineral oil), heavy arom.	1 - 5 %	Xn, N R51-53-65-66-67
202-436-9	95-63-6	1,2,4-trimethylbenzene	< 1 %	Xn, Xi, N R10-20-36/37/38-51-53
202-049-5	91-20-3	naphthalene	< 1 %	Carc. Cat. 3, Xn, N R40-22-50-53
265-198-5	64742-94-5	Solvent Naphtha (mineral oil), heavy arom.	< 1 %	Xn, Xi, N R37/38-51-53-65

Additional information: For the wording of the listed risk phrases refer to section 16.

MATERIAL SAFETY DATA SHEET

XENUM IN & OUT CLEANER

Conform following 91/155 EEC (2001/58/EEC)

Date: 22/02/2007

Page 2/6

4. FIRST AID

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.

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

After eye contact: 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 agents: Extinguishing powder
Carbon dioxide (CO₂)
Sand.

For safety reasons unsuitable extinguishing agents: 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.
Move undamaged containers from immediate hazard area if it can be done safely.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Provide adequate ventilation. Keep away from unprotected people. Keep upwind.
Wear personal protection equipment. (refer to chapter 8)
Eliminate all ignition sources if safe to do so.

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

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.
In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop. It is possible that in the head space of sealed containers, especially in the case of thermal development, vapours of solvent cleaners may accumulate. Flames and sources of ignition must be kept well away.

MATERIAL SAFETY DATA SHEET

XENUM IN & OUT CLEANER

Conform following 91/155 EEC (2001/58/EEC)

Date: 22/02/2007

Page 3/6

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.
Keep away from sources of ignition – No smoking.

Further information on storage conditions Suitable material for floor covering: Solvent-proof.
Storageclass (VCI): 3A

Specific use(s)/replacement product(s) Observe technical data sheet.

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
64742-48-9	Low boiling point hydrogen treated naphtha, Naphtha (petroleum), hydrotreated heavy	200	1000		TWA (8 h) STEL (15 min)	
91-20-3	Naphthalene	- -	- -		TWA (8 h) STEL (15 min)	CHAN CHAN
95-63-6	Trimethylbenzenes	25	125		TWA (8 h) STEL (15 min)	WEL WEL

Exposure controls:



Occupational exposure controls

Refer to chapter 7. No further action is necessary.

Protective and hygiene measures

Do not eat, drink, smoke or sneeze at the workplace.
Street clothing should be stored separately from work clothing.

Respiratory protection

Respiratory protection required in case of: insufficient absorption. und prolonged action.
gas filtering equipment (EN 141). A2 (brown)
Only use breathing apparatus with CE-label including the four-digit identification number.

Hand protection

Tested protective gloves are to be worn: nach DIN EN 374
Suitable material:
NBR (Nitrile rubber).
Thickness of glove material: 0,45 mm; penetration time (maximum wearing period): 480 min
NR (Natural rubber (Caoutchouc), Natural latex).
Thickness of glove material: 0,45 mm; penetration time (maximum wearing period): 10 min
CR (polychloroprenes, Chloroprene rubber).
Thickness of glove material: 0,75 mm; penetration time (maximum wearing period): 60 min
Additional protection measures for the hands:
Before using check leak tightness / impermeability.

Eye protection

Suitable eye protection: Tightly sealed safety glasses. gemäß DIN EN 166

Skin protection

Wear suitable protective clothing.

MATERIAL SAFETY DATA SHEET

XENUM IN & OUT CLEANER

Conform following 91/155 EEC (2001/58/EEC)

Date: 22/02/2007

Page 4/6

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information:

Form:	Liquid
Colour:	Colorless
Odour:	Characteristic

Important health, safety and environmental information:

		Test method
pH-Value:	Not applicable.	
Changes in the physical state:		
Boiling point :	200 °C	DIN 53171
Flash point :	65 °C	DIN 51755
Explosive properties	not Explosive	
Lower explosion limits :	0,7 vol. %	
Upper explosion limits :	6 vol. %	
Ignition temperature:	180 °C	
Oxidizing properties	not oxidizing.	
Density (at 20 °C):	0,810 g/cm ³	DIN 51757
Partition coefficient :	Undetermined.	
Flow time :		3 DIN EN ISO 2431
Vapour density :	Undetermined.	

10. STABILITY AND REACTIVITY

Conditions to avoid:	Heat. In case of warming: Risk of selfignition.
Materials to avoid	Oxidizing agents.
Hazardous decomposition products	Carbon monoxide. Carbon dioxide.

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.
---	---

MATERIAL SAFETY DATA SHEET

XENUM IN & OUT CLEANER

Conform following 91/155 EEC (2001/58/EEC)

Date: 22/02/2007

Page 5/6

12. ECOLOGICAL INFORMATION

Ecotoxicity: Acute fish toxicity LC50: 14 g/m³ (96 h) Oncorhynchus mykiss

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

Description of the goods: Not a hazardous material with respect to these transportation regulations.

15. REGULATORY INFORMATION

Labelling:

**Hazardous component(s)
to be indicated on label:**

Low boiling point hydrogen treated naphtha, Naphtha (petroleum), hydrotreated heavy 2-ethylhexyl nitrate

R phrases:

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

66 Repeated exposure may cause skin dryness or cracking.

S phrases:

24 Avoid contact with skin.

56 Dispose of this material and its container at hazardous or special waste collection point.

61 Avoid release to the environment. Refer to special instructions / Safety data sheets.

**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): 84,385 % (683,519 g/l)

Additional information:

Sources of the most important data: 2001/118/EG, 1999/45/EG, 91/155/EEC, 67/548/EEC, 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): 2 - water contaminating

Conform following 91/155 EEC (2001/58/EEC)

Date: 22/02/2007

Page 6/6

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:

- 10** Flammable.
- 20** Harmful by inhalation.
- 20/21/22** Harmful by inhalation, in contact with skin and if swallowed.
- 22** Harmful if swallowed.
- 36/37/38** Irritating to eyes, respiratory system and skin.
- 37/38** Irritating to respiratory system and skin.
- 40** Limited evidence of a carcinogenic effect.
- 44** Risk of explosion if heated under confinement.
- 50** Very toxic to aquatic organisms.
- 51** Toxic to aquatic organisms.
- 52/53** Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 53** May cause long-term adverse effects in the aquatic environment.
- 65** Harmful: may cause lung damage if swallowed.
- 66** Repeated exposure may cause skin dryness or cracking.
- 67** Vapours may cause drowsiness and dizziness.

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.
