

XENUM - Complex Diesel System Cleaner

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

1.1 - Product identifier

Trade name/designation XENUM - Complex Diesel System Cleaner
Chemical name
Product-type Mixture

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

Relevant identified uses - Fuel and fuel additive
Uses advised against - 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
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]

Asp. Tox. 1	Aspiration hazard - Category 1
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2.2 - Label elements

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

Contains: Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics (CAS No.: 1174522-20-3)

Signal word : Danger

Hazard pictograms



Hazard statements

H304	May be fatal if swallowed and enters airways
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Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
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P102	Keep out of reach of children.
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P301+P310	IF SWALLOWED: Immediately call a POISON CENTER, a doctor .
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P405	Store locked up.
P501	Dispose of contents, container in an approved treatment center .
EUH-phrases	
EUH066	Repeated exposure may cause skin dryness or cracking

Regulation (EC) No. 648/2004 (Detergents regulation)

Zone libre de la rubrique 1501 pour les détergents

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
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	CAS No. : 1174522-20-3 Index No. : EC No. : REACH No. : 01-2119457273-39	75 - < 100	Asp. Tox. 1 - H304	

SECTION 4: First aid measures

4.1 - Description of first aid measures

Following inhalation - No special measures are necessary.
- Provide fresh air.

Following skin contact - Wash immediately with: Water
- When in doubt or if symptoms are observed, get medical advice.

After eye contact - Rinse immediately carefully and thoroughly with eye-bath or water.
- In case of eye irritation consult an ophthalmologist.

After ingestion - Rinse mouth thoroughly with water.
- Do NOT induce vomiting.

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

Symptoms and effects - Following inhalation - No information available.

Symptoms and effects - Following skin contact - No information available.

Symptoms and effects - After eye contact - No information available.

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Symptoms and effects - After ingestion - 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

Suitable extinguishing media

- ABC-powder
- Carbon dioxide (CO₂)
- Foam
- Extinguishing powder

Unsuitable extinguishing media - Full water jet

5.2 - Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture - No information available.

Hazardous decomposition products

- Carbon dioxide (CO₂)
- Nitrogen oxides (NO_x)

5.3 - Advice for firefighters

- Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

- Use personal protection equipment.
- Provide adequate ventilation.

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).

Inappropriate techniques - Unsuitable material for taking up: Water (with cleaning agent)

6.4 - Reference to other sections

- Disposal: see section 13
- Personal protection equipment: see section 8

SECTION 7: Handling and storage

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7.1 - Precautions for safe handling

Recommendation - See section 8.

Advices on general occupational hygiene

- Thorough skin-cleansing after handling the product.
- In the immediate working surroundings there must be: Make available sufficient washing facilities
- When using do not eat, drink, smoke, sniff.
- 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

Appropriate engineering controls - No information available.

Individual protection measures, such as personal protective equipment - Suitable protective clothing: lab coat



- Suitable material: Butyl caoutchouc (butyl rubber)

- Suitable material: NBR (Nitrile rubber)

- Suitable material: PE (polyethylene)

- Suitable material: PVC (Polyvinyl chloride)

- Recommended thickness of the material: ≥ 0.5 mm

- Transmission $8\text{mg}/\text{cm}^2$ for 8h (water vapour $5\text{mg}/\text{cm}^2/\text{h}$)

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- Required properties: Type 3
Liquid-tight

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>Colour</u>	light brown	<u>Odour</u>	characteristic
Odour threshold		No data available	
pH		No data available	
Melting point		No data available	
Freezing point		No data available	
Boiling point		No data available	
Flash point		> 60 °C	
Evaporation rate		No data available	
flammability		No data available	
Lower explosion limit		0,5 % Vol.	
Upper explosion limit		8 % Vol.	
Vapour pressure		No data available	
Vapour density		No data available	
Relative density		No data available	
Density		0,8 kg/l < V < 0,9 kg/l	
Solubility (Water)		< 0,01 g/l	
Solubility (Ethanol)		No data available	
Solubility (Acetone)		No data available	
Solubility (Organic solvents)		No data available	
Log KOC		No data available	
Auto-ignition temperature		> 200 °C	
Decomposition temperature		No data available	
Kinematic viscosity		> 1,3 mm ² /s	
Dynamic viscosity		No data available	

9.2 - Other information

VOC content	0 %
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.

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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/eye irritation - Not classified

Respiratory or skin sensitisation - Not classified

Germ cell mutagenicity - Not classified

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

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

STOT-single exposure - Not classified

STOT-repeated exposure - Not classified

Aspiration hazard - Aspiration hazard - Category 1 - May be fatal if swallowed and enters airways

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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

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics (1174522-20-3)

EC50 48 hr crustacea	1000 mg/l
LC50 96 hr fish	1000 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

Waste treatment methods - Dispose of waste according to applicable legislation.

Sewage disposal - No information available.

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Special precautions for waste treatment - No information available.

Community or national or regional provisions - Recycle according to official regulations.

SECTION 14: Transport information

14.1 - UN number

Not applicable

14.2 - UN proper shipping name

14.3 - Transport hazard class(es)

14.4 - Packing group

14.5 - Environmental hazards

14.6 - Special precautions for user

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

Substances REACH candidates None

Substances Annex XIV None

Substances Annex XVII None

VOC content 0 %

Regulation (EC) No. 648/2004 (Detergents regulation)

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15.2 - Chemical Safety Assessment

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

SECTION 16: Other information

SDS versions

Version	Issue date	Description of the amendments
2	18/02/2019	
1,02	26/07/2018	New classification
1,01	30/11/2017	Modification personal protection
1	29/03/2016	

Texts of the regulatory sentences

Asp. Tox. 1	Aspiration hazard - Category 1
H304	May be fatal if swallowed and enters airways

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