

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : DIESEL PARTICULATE FILTER CLEANER  
UFI : 7J1K-8M1Q-AH6P-44GN  
Product code : 70312  
Type of product : WOC  
Product group : Blend

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

##### 1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use, Consumer use  
Industrial/Professional use spec : Non-dispersive use  
Used in closed systems  
Function or use category : Lubricants and additives

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

WOLF OIL CORPORATION N.V.  
Georges Gilliotstraat, 52  
2620 Hemiksem, Antwerpen  
België  
T 0032 (0)3 870 00 00, F 0032 (0)3 870 00 99  
[msds@wolfoil.com](mailto:msds@wolfoil.com)

#### 1.4. Emergency telephone number

Emergency number : 0032 (0)3 870 00 00

Country/Area	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
Israel	Israel Poison Information Center Rambam Health Care Campus	6 Ha'Aliya Street 31096	+972 4 854 1900	
Malta	Medicines & Poisons Info Office	Mater Dei Hospital Msida MSD 2090	+356 2545 6508	
Sweden	Giftinformationscentralen	Box 60 500 171 76 Stockholm	112 – begär Giftinformation +46 10 456 6700 (Från utlandet)	

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Aspiration hazard, Category 1 H304

# DIESEL PARTICULATE FILTER CLEANER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Hazardous to the aquatic environment – Chronic Hazard, H411

Category 2

Full text of H- and EUH-statements: see section 16

### Adverse physicochemical, human health and environmental effects

No additional information available

## 2.2. Label elements

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

Hazard pictograms (CLP)



GHS08

GHS09

Signal word (CLP)

: Danger

Contains

: Hydrocarbons, C11-C14, n-alkanes, iso-alkanes, cyclic, <2% aromatics; Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic, <2% aromatics

Hazard statements (CLP)

: H304 - May be fatal if swallowed and enters airways.

H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP)

: P273 - Avoid release to the environment.

P301+P310 - IF SWALLOWED: Immediately call a doctor, a POISON CENTER.

P331 - Do NOT induce vomiting.

P391 - Collect spillage.

P405 - Store locked up.

P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

## 2.3. Other hazards

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Comments : The mineral oils in the product contain < 3% DMSO extract (IP 346)

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C11-C14, n-alkanes, iso-alkanes, cyclic, <2% aromatics	EC-No.: 926-141-6 REACH-no: 01-2119456620-43	70 – 85	Asp. Tox. 1, H304
2-Ethylhexyl nitrate	CAS-No.: 27247-96-7 EC-No.: 248-363-6 REACH-no: 01-2119539586-27	5 – 14.99	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Acute Tox. 4 (Dermal), H312 (ATE=1100 mg/kg bodyweight) Acute Tox. 4 (Inhalation), H332 (ATE=1.5 mg/l/4h) Aquatic Acute 1, H400 Aquatic Chronic 1, H410

# DIESEL PARTICULATE FILTER CLEANER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic, <2% aromatics	EC-No.: 918-481-9 REACH-no: 01-2119457273-39	1 – 2.49	Asp. Tox. 1, H304
2-Ethylhexan-1-ol	CAS-No.: 104-76-7 EC-No.: 203-234-3 REACH-no: 01-2119487289-20	1 – 1.99	Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
cerium(3+)neodecanoat	CAS-No.: 68084-49-1 EC-No.: 268-440-8	1 – 1.49	Aquatic Chronic 3, H412

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
First-aid measures after inhalation	: Allow affected person to breathe fresh air. Place the victim in semi-seated position. If not breathing, give artificial respiration. Seek medical advice.
First-aid measures after skin contact	: Seek medical attention if ill effect or irritation develops. After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.
First-aid measures after eye contact	: In case of eye contact, immediately rinse with clean water for 10-15 minutes. Seek medical attention if ill effect or irritation develops. Remove lenses.
First-aid measures after ingestion	: Rinse mouth. Do not induce vomiting. Get immediate medical advice/attention.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation	: Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
Symptoms/effects after skin contact	: Contact during a long period may cause light irritation.
Symptoms/effects after eye contact	: Not expected to present a significant eye contact hazard under anticipated conditions of normal use.
Symptoms/effects after ingestion	: Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Carbon dioxide. Alcohol resistant foam. Water fog. Foam. Powder. Dry chemical product.
Unsuitable extinguishing media	: Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

No additional information available

### 5.3. Advice for firefighters

Precautionary measures fire	: Exercise caution when fighting any chemical fire.
Firefighting instructions	: Exercise caution when fighting any chemical fire.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
Other information	: At high temperature may liberate dangerous gases.

# DIESEL PARTICULATE FILTER CLEANER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Clear all other personnel from the area. Eliminate every possible source of ignition. Ensure good ventilation of the work station.

##### 6.1.1. For non-emergency personnel

Protective equipment : Wear suitable protective clothing and gloves.

##### 6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing and gloves.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

#### 6.3. Methods and material for containment and cleaning up

For containment : Impound and recover large spill by mixing it with inert granular solids.  
Methods for cleaning up : Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. This material and its container must be disposed of in a safe way, and as per local legislation.  
Other information : Spill area may be slippery. Use suitable disposal containers.

#### 6.4. Reference to other sections

No additional information available

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Do not breathe gas, fumes, vapour or spray. Do not eat, drink or smoke when using this product. Avoid all unnecessary exposure.  
Handling temperature : < 40 °C  
Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

#### 7.2. Conditions for safe storage, including any incompatibilities

Incompatible materials : aluminium. Oxidizing agents.  
Storage temperature : ≤ 40 °C  
Storage area : Store in dry, cool, well-ventilated area.  
Special rules on packaging : Packaging destined for the general public must be fitted with child-proof closures and a tactile danger indication.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1 National occupational exposure and biological limit values

##### Hydrocarbons, C11-C14, n-alkanes, iso-alkanes, cyclic, <2% aromatics

##### Netherlands - Occupational Exposure Limits

TGG-15min (OEL STEL)	1200 mg/m <sup>3</sup>
	165 ppm

# DIESEL PARTICULATE FILTER CLEANER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

2-Ethylhexan-1-ol (104-76-7)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	5.4 mg/m <sup>3</sup>
	1 ppm
Austria - Occupational Exposure Limits	
MAK (OEL TWA)	5.4 mg/m <sup>3</sup>
	1 ppm
OEL C	10.8 mg/m <sup>3</sup>
	2 ppm
Belgium - Occupational Exposure Limits	
OEL TWA	5.4 mg/m <sup>3</sup>
	1 ppm
Bulgaria - Occupational Exposure Limits	
OEL TWA	5.4 mg/m <sup>3</sup>
	1 ppm
Croatia - Occupational Exposure Limits	
GVI (OEL TWA)	5.4 mg/m <sup>3</sup>
	1 ppm
Czech Republic - Occupational Exposure Limits	
PEL (OEL TWA)	5.4 mg/m <sup>3</sup>
	0.999 ppm
Denmark - Occupational Exposure Limits	
OEL TWA	5.4 mg/m <sup>3</sup>
	1 ppm
Estonia - Occupational Exposure Limits	
OEL TWA	5.4 mg/m <sup>3</sup>
	1 ppm
Finland - Occupational Exposure Limits	
HTP (OEL TWA)	5.4 mg/m <sup>3</sup>
	1 ppm
France - Occupational Exposure Limits	
VME (OEL TWA)	5.4 mg/m <sup>3</sup>
	1 ppm
Germany - Occupational Exposure Limits (TRGS 900)	
AGW (OEL TWA)	54 mg/m <sup>3</sup>
	10 ppm
AGW (OEL C)	54 mg/m <sup>3</sup>
AGW (OEL C) [ppm]	10 ppm

# DIESEL PARTICULATE FILTER CLEANER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

2-Ethylhexan-1-ol (104-76-7)		
Greece - Occupational Exposure Limits		
OEL TWA	5.4 mg/m³	
	1 ppm	
Hungary - Occupational Exposure Limits		
AK (OEL TWA)	5.4 mg/m³	
Ireland - Occupational Exposure Limits		
OEL TWA	5.4 mg/m³	
	1 ppm	
Italy - Occupational Exposure Limits		
OEL TWA	5.4 mg/m³	
	1 ppm	
Latvia - Occupational Exposure Limits		
OEL TWA	5.4 mg/m³	
	1 ppm	
Lithuania - Occupational Exposure Limits		
IPRV (OEL TWA)	5.4 mg/m³	
	1 ppm	
Netherlands - Occupational Exposure Limits		
TGG-8u (OEL TWA)	5.4 mg/m³	
Poland - Occupational Exposure Limits		
NDS (OEL TWA)	5.4 mg/m³	
Portugal - Occupational Exposure Limits		
OEL TWA	5.4 mg/m³	
	1 ppm	
Romania - Occupational Exposure Limits		
OEL TWA	5.4 mg/m³	
	1 ppm	
Slovakia - Occupational Exposure Limits		
NPHV (OEL TWA)	5.4 mg/m³	
	1 ppm	
Slovenia - Occupational Exposure Limits		
OEL TWA	5.4 mg/m³	
	1 ppm	
Spain - Occupational Exposure Limits		
VLA-ED (OEL TWA)	5.4 mg/m³	
	1 ppm	
Sweden - Occupational Exposure Limits		
NGV (OEL TWA)	5.4 mg/m³	

# DIESEL PARTICULATE FILTER CLEANER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

2-Ethylhexan-1-ol (104-76-7)	
	1 ppm
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA)	5.4 mg/m <sup>3</sup>
	1 ppm
Iceland - Occupational Exposure Limits	
OEL TWA	5.4 mg/m <sup>3</sup>
	1 ppm
Norway - Occupational Exposure Limits	
Grenseverdi (OEL TWA)	5.4 mg/m <sup>3</sup>
	1 ppm
Switzerland - Occupational Exposure Limits	
MAK (OEL TWA)	5.4 mg/m <sup>3</sup>
	1 ppm
2-Ethylhexyl nitrate (27247-96-7)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	1 ppm 8h
Poland - Occupational Exposure Limits	
NDS (OEL TWA)	3.5 mg/m <sup>3</sup>
NDSch (OEL STEL)	7 mg/m <sup>3</sup>
Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic, <2% aromatics	
Belgium - Occupational Exposure Limits	
OEL TWA	200 mg/m <sup>3</sup>

### 8.1.2. Recommended monitoring procedures

No additional information available

### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

Additional information

: 5 mg/m<sup>3</sup> for oil mists (TWA, 8h-workday) recommended, based upon the ACGIH TLV (Analysis according to US NIOSH Method 5026, NIOSH Manual of Analytical Methods, 3rd Edition).

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

No additional information available

### 8.2.2. Personal protection equipment

#### Personal protective equipment:

In case of splash hazard: safety glasses. Gloves.

# DIESEL PARTICULATE FILTER CLEANER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Safety glasses

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Wear suitable protective clothing

##### Hand protection:

Wear suitable gloves resistant to chemical penetration

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

#### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

No additional information available

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Yellow.
Appearance	: Oily liquid.
Odour	: Characteristic.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: 75 °C (ASTM D92)
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: 2.21 mm²/s @40°C (ASTM D445)
Solubility	: Slightly soluble, the product remains on the water surface.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: 825 kg/m³ @ 15°C (ASTM D4052)
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available



# DIESEL PARTICULATE FILTER CLEANER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 9.2.2. Other safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

None under normal conditions.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

None under normal conditions.

### 10.4. Conditions to avoid

Overheating.

### 10.5. Incompatible materials

aluminium. acids. Bases. Strong oxidizers.

### 10.6. Hazardous decomposition products

None under normal conditions.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

Hydrocarbons, C11-C14, n-alkanes, iso-alkanes, cyclic, <2% aromatics	
LD50 oral rat	> 5000 mg/kg OECD 401
LD50 dermal rabbit	> 5000 mg/kg OECD 402
LC50 Inhalation - Rat	> 5000 mg/m³ OECD 403
2-Ethylhexan-1-ol (104-76-7)	
LD50 oral rat	2040 mg/kg
LD50 dermal rat	1970 mg/kg
LD50 dermal rabbit	> 3000 mg/kg
LC50 Inhalation - Rat	> 0.89 mg/l/4h @4h
LC50 Inhalation - Rat [ppm]	1 – 1.53 ppm @4h, OECD 403
2-Ethylhexyl nitrate (27247-96-7)	
LD50 oral rat	> 10000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic, <2% aromatics	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg

# DIESEL PARTICULATE FILTER CLEANER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

<b>Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic, &lt;2% aromatics</b>	
LC50 Inhalation - Rat (Vapours)	> 4951 mg/l/4h OECD 403
<b>cerium(3+)neodecanoat (68084-49-1)</b>	
LD50 oral rat	2800 mg/kg bodyweight Animal: rat, Guideline: other., Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 2360 - 3320
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
<b>2-Ethylhexan-1-ol (104-76-7)</b>	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Not classified
<b>2-Ethylhexan-1-ol (104-76-7)</b>	
NOAEL (oral, rat, 90 days)	125 mg/kg bodyweight/day
Aspiration hazard	: May be fatal if swallowed and enters airways.
<b>DIESEL PARTICULATE FILTER CLEANER</b>	
Viscosity, kinematic	2.21 mm²/s @40°C (ASTM D445)

### 11.2. Information on other hazards

#### 11.2.1. Endocrine disrupting properties

No additional information available

#### 11.2.2. Other information

Potential adverse human health effects and symptoms : Inhalation of vapours may cause respiratory irritation,May cause sensitization by inhalation and skin contact,May result in aspiration into the lungs, causing pneumonia,Prolonged or repeated contact may cause skin to become dry or cracked,May cause irritation to the eyes

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified  
Hazardous to the aquatic environment, long-term (chronic) : Toxic to aquatic life with long lasting effects.

<b>2-Ethylhexan-1-ol (104-76-7)</b>	
LC50 - Fish [1]	17.1 mg/l (Leuciscus idus melanotus)
LC50 - Fish [2]	28.2 mg/l (Pimephales promelas)
EC50 - Crustacea [1]	39 mg/l (Daphnia magna)
EC50 72h - Algae [1]	16.6 mg/l (Scenedesmus quadricauda)
ErC50 other aquatic plants	540 mg/l (Pseudomonas putida) @0.1d
<b>2-Ethylhexyl nitrate (27247-96-7)</b>	
LC50 - Fish [1]	2 mg/l (Brachydanio rerio)
EC50 - Crustacea [1]	0.83 mg/l (Daphnia magna)

# DIESEL PARTICULATE FILTER CLEANER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

2-Ethylhexyl nitrate (27247-96-7)	
EC50 72h - Algae [1]	> 2.53 mg/l
Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic, <2% aromatics	
LC50 - Fish [1]	> 1000 mg/l (Oncorhynchus mykiss)
EC50 - Crustacea [1]	> 1000 mg/l (Daphnia magna)
EC50 72h - Algae [1]	> 1000 mg/l (Pseudokirchneriella subcapitata)
cerium(3+)neodecanoat (68084-49-1)	
EC50 72h - Algae [1]	0.63 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	1.1 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)

### 12.2. Persistence and degradability

DIESEL PARTICULATE FILTER CLEANER	
Persistence and degradability	Not soluble in water, so only minimally biodegradable.
Hydrocarbons, C11-C14, n-alkanes, iso-alkanes, cyclic, <2% aromatics	
Persistence and degradability	Rapidly degradable
2-Ethylhexan-1-ol (104-76-7)	
Persistence and degradability	Readily biodegradable.
Biodegradation	100 % (OECD 301C) @14d
2-Ethylhexyl nitrate (27247-96-7)	
Persistence and degradability	Not readily biodegradable..
Biodegradation	0 %
Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic, <2% aromatics	
Persistence and degradability	Rapidly degradable
Biodegradation	80 % (OECD 301F) @28d
cerium(3+)neodecanoat (68084-49-1)	
Persistence and degradability	Not rapidly degradable

### 12.3. Bioaccumulative potential

2-Ethylhexan-1-ol (104-76-7)	
Bioconcentration factor (BCF REACH)	25.35
Partition coefficient n-octanol/water (Log Pow)	2.9
2-Ethylhexyl nitrate (27247-96-7)	
Partition coefficient n-octanol/water (Log Pow)	5.24

### 12.4. Mobility in soil

2-Ethylhexan-1-ol (104-76-7)	
Mobility in soil	1.42

# DIESEL PARTICULATE FILTER CLEANER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 2-Ethylhexyl nitrate (27247-96-7)

Mobility in soil	3.75
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### Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic, <2% aromatics

Ecology - soil	Volatile liquid.
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### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Additional information : Dispose in a safe manner in accordance with local/national regulations.

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

### 14.1. UN number or ID number

UN-No. (ADR)	: UN 3082
UN-No. (IMDG)	: UN 3082
UN-No. (IATA)	: UN 3082
UN-No. (ADN)	: UN 3082
UN-No. (RID)	: UN 3082

### 14.2. UN proper shipping name

Proper Shipping Name (ADR)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Proper Shipping Name (IMDG)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Proper Shipping Name (IATA)	: Environmentally hazardous substance, liquid, n.o.s.
Proper Shipping Name (ADN)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Proper Shipping Name (RID)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Transport document description (ADR)	: UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2-Ethylhexyl nitrate ; DIESEL PARTICULATE FILTER CLEANER ; 2-Ethylhexyl nitrate), 9, III, (-)
Transport document description (IMDG)	: UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2-Ethylhexyl nitrate), 9, III, MARINE POLLUTANT
Transport document description (IATA)	: UN 3082 Environmentally hazardous substance, liquid, n.o.s. (2-Ethylhexyl nitrate), 9, III
Transport document description (ADN)	: UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2-Ethylhexyl nitrate), 9, III
Transport document description (RID)	: UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2-Ethylhexyl nitrate), 9, III

### 14.3. Transport hazard class(es)

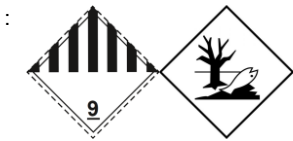
#### ADR

Transport hazard class(es) (ADR)	: 9
Danger labels (ADR)	: 9

# DIESEL PARTICULATE FILTER CLEANER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878



### IMDG

Transport hazard class(es) (IMDG)  
Danger labels (IMDG)

: 9  
: 9  
:



### IATA

Transport hazard class(es) (IATA)  
Danger labels (IATA)

: 9  
: 9  
:



### ADN

Transport hazard class(es) (ADN)  
Danger labels (ADN)

: 9  
: 9  
:



### RID

Transport hazard class(es) (RID)  
Danger labels (RID)

: 9  
: 9  
:



## 14.4. Packing group

Packing group (ADR) : III  
Packing group (IMDG) : III  
Packing group (IATA) : III  
Packing group (ADN) : III  
Packing group (RID) : III

## 14.5. Environmental hazards

Dangerous for the environment : Yes  
Marine pollutant : Yes  
Other information : No supplementary information available

## 14.6. Special precautions for user

### Overland transport

Classification code (ADR) : M6  
Special provisions (ADR) : 274, 335, 375, 601  
Limited quantities (ADR) : 5I  
Excepted quantities (ADR) : E1  
Packing instructions (ADR) : P001, IBC03, LP01, R001  
Special packing provisions (ADR) : PP1

# DIESEL PARTICULATE FILTER CLEANER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Mixed packing provisions (ADR) : MP19  
Portable tank and bulk container instructions (ADR) : T4  
Portable tank and bulk container special provisions (ADR) : TP1, TP29  
Tank code (ADR) : LGBV  
Vehicle for tank carriage : AT  
Transport category (ADR) : 3  
Special provisions for carriage - Packages (ADR) : V12  
Special provisions for carriage - Loading, unloading and handling (ADR) : CV13  
Hazard identification number (Kemler No.) : 90  
Orange plates :



Tunnel restriction code (ADR) : -  
EAC code : •3Z

### Transport by sea

Special provisions (IMDG) : 274, 335, 969  
Limited quantities (IMDG) : 5 L  
Excepted quantities (IMDG) : E1  
Packing instructions (IMDG) : LP01, P001  
Special packing provisions (IMDG) : PP1  
IBC packing instructions (IMDG) : IBC03  
Tank instructions (IMDG) : T4  
Tank special provisions (IMDG) : TP1, TP29  
EmS-No. (Fire) : F-A  
EmS-No. (Spillage) : S-F  
Stowage category (IMDG) : A

### Air transport

PCA Excepted quantities (IATA) : E1  
PCA Limited quantities (IATA) : Y964  
PCA limited quantity max net quantity (IATA) : 30kgG  
PCA packing instructions (IATA) : 964  
PCA max net quantity (IATA) : 450L  
CAO packing instructions (IATA) : 964  
CAO max net quantity (IATA) : 450L  
Special provisions (IATA) : A97, A158, A197, A215  
ERG code (IATA) : 9L

### Inland waterway transport

Classification code (ADN) : M6  
Special provisions (ADN) : 274, 335, 375, 601  
Limited quantities (ADN) : 5 L  
Excepted quantities (ADN) : E1  
Carriage permitted (ADN) : T  
Equipment required (ADN) : PP  
Number of blue cones/lights (ADN) : 0

### Rail transport

Classification code (RID) : M6  
Special provisions (RID) : 274, 335, 375, 601  
Limited quantities (RID) : 5L  
Excepted quantities (RID) : E1  
Packing instructions (RID) : P001, IBC03, LP01, R001  
Special packing provisions (RID) : PP1  
Mixed packing provisions (RID) : MP19  
Portable tank and bulk container instructions (RID) : T4  
Portable tank and bulk container special provisions (RID) : TP1, TP29

# DIESEL PARTICULATE FILTER CLEANER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Tank codes for RID tanks (RID) : LGBV  
Transport category (RID) : 3  
Special provisions for carriage – Packages (RID) : W12  
Special provisions for carriage - Loading, unloading and handling (RID) : CW13, CW31  
Colis express (express parcels) (RID) : CE8  
Hazard identification number (RID) : 90

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

##### REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

##### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

##### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

##### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

##### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

##### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

##### Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

##### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

##### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

#### 15.1.2. National regulations

##### France

Occupational diseases	
Code	Description
RG 84	Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons; alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamine; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide

##### Germany

Water hazard class (WGK) : WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1).  
Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

# DIESEL PARTICULATE FILTER CLEANER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### Netherlands

SZW-lijst van kankerverwekkende stoffen : cerium(3+)neodecanoaat is listed  
SZW-lijst van mutagene stoffen : cerium(3+)neodecanoaat is listed  
SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed  
SZW-lijst van reprotoxische stoffen – : None of the components are listed  
Vruchtbaarheid  
SZW-lijst van reprotoxische stoffen – Ontwikkeling : None of the components are listed

### Denmark

Class for fire hazard : Class III-1  
Store unit : 50 liter  
Classification remarks : Flammable according to the Danish Ministry of Justice; Emergency management guidelines for the storage of flammable liquids must be followed  
Danish National Regulations : Young people below the age of 18 years are not allowed to use the product  
Pregnant/breastfeeding women working with the product must not be in direct contact with the product

## 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Indication of changes			
Section	Changed item	Change	Comments
	Supersedes	Modified	
	Revision date	Modified	
1.1	UFI on SDS 1.1	Modified	
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Modified	
2.2	EUH-statements	Removed	
2.2	Hazard pictograms (CLP)	Modified	
2.2	Precautionary statements (CLP)	Modified	
2.2	Hazard statements (CLP)	Modified	
3	Composition/information on ingredients	Modified	
5.3	EAC code	Added	
14.1	UN-No. (ADR)	Added	
14.1	UN-No. (IMDG)	Added	
14.1	UN-No. (IATA)	Added	
14.1	UN-No. (ADN)	Added	
14.2	Proper Shipping Name (ADN)	Added	
14.2	Proper Shipping Name (ADR)	Added	
14.3	Danger labels (RID)	Added	
14.3	Danger labels (ADR)	Added	
14.3	Class (ADR)	Added	
14.4	Packing group (ADN)	Added	
14.4	Packing group (IATA)	Added	



# DIESEL PARTICULATE FILTER CLEANER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Indication of changes			
Section	Changed item	Change	Comments
14.4	Packing group (IMDG)	Added	
14.4	Packing group (ADR)	Added	
14.6	Special provisions (ADN)	Added	
14.6	Special packing provisions (IMDG)	Added	
14.6	Packing instructions (IMDG)	Added	
14.6	Transport category (ADR)	Added	
14.6	Special provisions (ADR)	Added	
14.6	Excepted quantities (ADR)	Added	
14.6	Limited quantities (ADR)	Added	
14.6	Tunnel restriction code (ADR)	Added	
14.6	Hazard identification number (Kemler No.)	Added	
14.6	Classification code (ADR)	Added	

### Other information

: The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

Full text of H- and EUH-statements:	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
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 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

# DIESEL PARTICULATE FILTER CLEANER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Full text of H- and EUH-statements:	
H412	Harmful to aquatic life with long lasting effects.
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.