



# SAFETY DATA SHEET

According to E.C Regulation 453-2010

## KENNOL DIESEL INJECTION CLEANER

Replace the version of xx/xx/xxxx

MSDS :xxx-164140-20/03/2019

20/03/2019

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### SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

- Product name: **KENNOL DIESEL INJECTION CLEANER**

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

- Commercial use: Diesel Additive (for more details, please report back to the technical manual)

#### 1.3. Details of the supplier of the Safety Data Sheet

- Fournisseur **ACCOR LUBRIFIANTS SA**

Adresse : 8 Rue du Mans - BP 30406 - 49304 CHOLET CEDEX

Téléphone : 02.41.75.26.70

Télécopie : 02.41.62.67.02

Contact e-mail : [jerome.poulain@accor-lubrifiants.com](mailto:jerome.poulain@accor-lubrifiants.com)

#### 1.4. Emergency telephone number

In France, the valid emergency number is the ORFILA (INRS) number: + 33 (0)1 45 42 59 59. This telephone number gives contacts of all French poison centers ("centres anti-poison et de toxicovigilance"). These information centers provide you with free medical advice (except the cost of call), 24 hours a day, 7 days a week. For the information related to other countries, see the web page dedicated to national helpdesks of the ECHA website (European Chemicals Agency) that lists all the information by country:

<http://echa.europa.eu/web/guest/support/helpdesks/national-helpdesks/list-of-national-helpdesks>

### SECTION 2 - HAZARDS IDENTIFICATION

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

##### **Classification CE 1272/2008 (CLP)**

H304 – Aspiration hazard, Category 1

H412 – Hazardous to the aquatic environment – Chronic Hazard, Category 3



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### 2.2. Label elements

**Label Conforms to Norm (CE) N° 1272/2008 (CLP) :**

**Hazard pictogram(s):**



**Signal word(s):** DANGER

**Hazardous ingredients:** Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics

**Hazard statement(s):**

H304 – May be fatal if swallowed and enters airways.

H412 – Harmful to aquatic life with long lasting effects.

**Precautionary statement(s) – Prevention**

P101 – If medical advice is needed, have product container or label at hand.

P102 – Keep out of reach of children.

P210 – Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P262 – Do not get in eyes, on skin, or on clothing.

P273 – Avoid release to the environment.

**Precautionary statement(s) - Intervention**

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

P331 – Do NOT induce vomiting.

**Precautionary advice- Storage**

P405 – Store locked up.

**Precautionary advice - Elimination**

P501 - Dispose of contents/container to a hazardous waste collection center, as per national regulation

**EUH- statements:**

EUH044 – Risk of explosion if heated under confinement.

EUH066 – Repeated exposure may cause skin dryness or cracking.

### 2.3. Other hazards

No additional information available



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### SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

#### 3.2. Mixtures

- Dangerous components:

COMPONENTS	Percentage (in weight)	CLP Classification (EC) No 1272/2008	NUMBERS
			INDEX CE CAS Enregistrement
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	80 – 100 %	Asp. Tox. 1; H304	- 918-481-9 - 01-2119457273-39
2-ethylhexylnitrate	5 – 15 %	Expl. Not classified Acute Tox. 4 (Oral) ; H302 Acute Tox. 4 (Dermal) ; H312 Acute Tox. 4 (Inhalation) ; H332 Aquatic Chronic 2 ; H411	- 248-363-6 27247-96-7 01-2119539586-27
2-ethylhexan-1-ol	< 1 %	Acute Tox. 4 (Inhalation) ; H332 Skin Irrit. 2 ; H315 Eye Irrit. 2 ; H319 STOT SE 2 ; H335	- 203-234-3 104-76-7 01-2119487289-20

The whole of the text of risk phrases and hazard statements of this section 3 appears in Section 16.

### SECTION 4 - FIRST AID MEASURES

#### 4.1. Description of first aid measures

##### First-aid measures general

Never give anything by mouth to an unconscious person. If medical advice is needed, have product container or label at hand.

##### First-aid measures after inhalation

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

##### First-aid measures after skin contact

Remove contaminated clothes. Wash skin with plenty of water. Wash contaminated clothing before reuse

##### First-aid measures after eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

##### First-aid measures after ingestion

Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.



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

<b>Symptoms/effects after skin contact</b>	Repeated exposure may cause skin dryness or cracking.
<b>Symptoms/effects after ingestion</b>	May be fatal if swallowed and enters airways.

### **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: CO<sub>2</sub>, dry powder, resistant foam; the water can be used to cool and protect product containers exposed.

Unsuitable extinguishing media for safety reason: Heavy water stream.

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

Hazardous decomposition products in case of fire: Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases.

### **5.3. Advice for firefighters**

Firefighting instructions: Exercise caution when fighting any chemical fire.

Protection during firefighting: Do not enter fire area proper protective equipment, including respiratory protection.

Other information: Prevent liquid from entering sewers, watercourses, underground or low areas.

## **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

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

Personal protective equipment must be worn. Avoid all contact with skin. If the spill occurs in a closed environment or other area with poor ventilation, ventilate before entering the area.

### **6.2. Environmental precautions**

Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case product reaches water or sewage system.  
Do not discharge into the drains/surface waters/groundwater.



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

Soak up to recycle and/or dispose of. The remaining liquid can be absorbed with inert material.

### **6.4. Reference to other sections**

To obtain information about safe handling, please see chapter 7.

To obtain information about personal protective equipment, please see chapter 8.

To obtain information about elimination, please see chapter 13.

## **SECTION 7 - HANDLING AND STORAGE**

### **7.1. Precautions for safe handling**

Additional hazards when processed: Risk of explosion if heated in a confined environment .

Precaution for safe handling:

Do not eat, drink or smoke when using this product.

Hygiene measures: Wash contaminated clothing before reuse. Always wash hands after handling the product.

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

Technical measures: Provide local exhaust or general room ventilation.

Storage conditions and storage area:

Store in a closed container.

Keep out of frost.

Keep away from naked flames/heat.

Keep away from ignition sources.

Store in a dry place.

Store in a well-ventillated place.

Store in original container.

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

No additional information available.



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### SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

#### 8.1. Control parameters

2-ethylhexyl nitrate (27247-96-7)		
France	VME (mg/m <sup>3</sup> )	3,5 mg/dm <sup>3</sup>
France	VLE(mg/m <sup>3</sup> )	7 mg/dm <sup>3</sup>
Germany	TRGS 910 Notes on the allowable concentration	
2-ethylhexan-1-ol (104-76-7)		
UE	IOEL TWA (mg/m <sup>3</sup> )	5,4 mg/m <sup>3</sup>
UE	IOEL TWA (ppm)	1 ppm
UE	Regulatory reference	COMMISSION DIRECTIVE (EU) 2017-164
Germany	TRGS 910 Notes on the allowable concentration	
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics (1174522-09-8)		
France	VME (mg/m <sup>3</sup> )	1200 mg/dm <sup>3</sup>
France	VME (ppm)	184 ppm
Germany	TRGS 910 Notes on the allowable concentration	
Norway	Grenseverdier (AN) (mg/dm <sup>3</sup> )	275 mg/dm <sup>3</sup>
Norway	Grenseverdier (AN) (ppm)	50 ppm

#### 8.2. Exposure controls

Hand protection :					
Gloves. EN 374					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Gloves	Nitrile rubber (NBR)	6 (> 480 minutes)		3 (> 0.65)	EN 374
Eye protection:					
Safety glasses. EN 166					
Type	Use	Characteristics	Standard		
Safety glasses		With side shields	EN 166		
Skin and body protection :					
Wear suitable protective clothing					



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### Respiratory protection:

Good ventilation of the workplace required. Where excessive vapour, mist, or dust may result, use approved respiratory protection equipment.

### Personal protective equipment symbol(s):



## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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

Physic state	Liquid
Colour	Yellow
Odour	No data available
Odour threshold	No data available
pH	No data available
Relative evaporation rate (butylacetate=1)	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	No data available
Flash point	> 60°C
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Flammability (solid, gas)	No data available
Vapour pressure	No data available
Relative vapour density at 20°C	No data available
Relative density	No data available
Density	0.808 g/cm <sup>3</sup> (20°C)
Solubility	No data available
Log Pow	No data available
Kinematic viscosity	< 20,5 mm <sup>2</sup> /s (40°C)
Dynamic viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available
Explosive limits	No data available

### 9.2. Other information

No additional information available.



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### SECTION 10 - STABILITY AND REACTIVITY

#### 10.1. Reactivity

Stable under normal conditions of use.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

Not established.

#### 10.4. Conditions to avoid

Heat. Open flame. Sparks. Water, humidity, freezing.

#### 10.5. Incompatible materials

No additional information available.

#### 10.6. Hazardous decomposition products

Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases.

### SECTION 11 - TOXICOLOGICAL INFORMATION

#### 11.1. Information on toxicological effects

Acute toxicity (oral): Not classified

Acute toxicity (dermal): Not classified

Acute toxicity (inhalation): Not classified

#### **2-ethylhexan-1-ol (104-76-7)**

LD50 oral rat	2047 - 3730 mg/kg
LD50 dermal rat	> 3000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LC50 inhalation rat (mg/l)	0,89 – 5,3 mg/l/4h

#### **Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics (1174522-09-8)**

LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LC50 inhalation rat (mg/l)	4951 mg/m3 4 heures





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Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Not classified
Respiratory or skin sensitisation	Not classified
Gen cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
STOT-single exposure	Not classified
STOT-repeated exposure	Not classified
Aspiration hazard	May be fatal if swallowed and enters airways

## SECTION 12 - ECOLOGICAL INFORMATION

### 12.1. Toxicity

Ecology – General: Harmful to aquatic life with long lasting effects.

Acute aquatic toxicity: Not classified

Chronic aquatic toxicity: Harmful to aquatic life with long lasting effects.

2-ethylhexyl nitrate (27247-96-7)	
LC50 fish 1	2 mg/l (Zebra Fish)
EC50 Daphnia 1	> 12,6 mg/l (Daphnia magna)
EC50 72h algae 1	3,22 mg/l
2-ethylhexane-1-ol (104-76-7)	
LC50 fish 1	28,2 mg/l (Pimephales promelas, 4DY)
LC50 fish 2	17,1 mg/l (l de mélanote (Leucisus idus), 4DY)
EC50 Daphnia 1	1,82 mg/l (48h)
EC50 Daphnia 2	2,72 mg/l (24h)
EC50 other aquatic organisms 1	39 mg/l (Cladocère, 2DY)
EC50 72h algae 1	16,6 mg/l Scenedesmus subspicatus
EC50 72h algae (2)	11,5 mg/l Desmodesmus subspicatus
EC50 96h algae (1)	1,3 mg/l Skeletonema costatum
NOEC chronic fish	14 mg/l (l de mélanote (Leucisus idus), 4DY)
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	
LC50 fish 1	> 1000 mg/l
EC50 Daphnia 1	> 1000 mg/l
EC50 72h algae 1	> 1000 mg/l

### 12.2. Persistence and degradability

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	
Biodegradation	80 % 28 days



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### 12.3. Bioaccumulative potential

2-ethylhexyl nitrate (27247-96-7)	
Log Kow	5,24
2-ethylhexane-1-ol (104-76-7)	
Log Kow	2,9

### 12.4. Mobility in soil

2-ethylhexyl nitrate (27247-96-7)	
Mobility in soil	3,75
2-ethylhexane-1-ol (104-76-7)	
Mobility in soil	-1,42

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available.

## SECTION 13 - DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

· Recommendation:

Must not be disposed together with household waste.

· Waste disposal:

Do not allow product to reach sewage system.

Dispose of this material and its container at hazardous or special waste collection point. Dispose in a safe manner in accordance with local/national regulations.

## SECTION 14 - TRANSPORT INFORMATION

### 14.1. UN number

ADR, IMDG, IATA: Not applicable



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### 14.2. UN proper shipping name

· **ADR**

Not applicable

· **IMDG**

Not applicable

· **IATA**

Not applicable

### 14.3. Transport hazard class(es)

· **ADR**

Not applicable

· **IMDG, IATA**

Not applicable

### 14.4. Packing group

Not applicable

### 14.5. Environmental hazards

Not applicable

### 14.6. Special precautions for user

Not applicable

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code"

Not applicable.

## **SECTION 15 - REGULATORY INFORMATION**

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

Be ensured that all notation or local regulations are observed.

European regulatory guidelines:

- Regulation (CE) n° 1907/2006 of the European Parliament and of the Council of 18 December 2006 for Registration, Evaluation, Authorisation and Restriction of Chemical substances, as well as as restrictions applicable to these substances (REACH), and establishing a European Chemicals Agency modifying directive 1999/45/CE and repealing Commission Regulation (CEE) n° 793/93 of Council Regulation (CE) n° 1488/94 of the Commission as well as directive 76/769/CEE of Council and directives 91/155/CEE, 93/67/CEE, 93/105/CE and 2000/21/CE of the Commission, with modifications.
- Regulation (CE) n° 1272/2008 of the European Parliament and of the Council of 16 December 2008 for classification, labelling and packaging of substances and mixtures, modifying and repealing directives 67/548/CEE and 1999/45/CE and modifying the regulation (CE) n° 1907/2006, with modifications.



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### **15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out.

## **SECTION 16 - OTHER INFORMATION**

### **Modifications indications**

1<sup>st</sup> version

### **Symbols and hazard phrases used in this document section 3:**

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.

H411 – Toxic to aquatic life with long lasting effects.

H412 – Harmful to aquatic life with long lasting effects.

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