



# SAFETY DATA SHEET

According to E.C Regulation 453-2010

## KENNOL OCTANE BOOSTER

Replace the version of xx/xx/xxxx

MSDS :xxx-164130-15/03/2019

20/03/2019

Page 1 of 13

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

#### 1.1. Product identifier

- Product name: **KENNOL OCTANE BOOSTER**

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

- Commercial use: Petrol 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)**

H226 – Flammable liquids, Category 3

H304 – Aspiration hazard, Category 1

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



# SAFETY DATA SHEET

According to E.C Regulation 453-2010

## KENNOL OCTANE BOOSTER

Replace the version of xx/xx/xxxx

MSDS :xxx-164130-15/03/2019

20/03/2019

Page 2 of 13

### 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):**

H226 – Flammable liquid and vapour.

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**

P403+P235 – Store in a well-ventilated place. Keep cool.

P405 – Store locked up.

**Precautionary advice - Elimination**

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

**EUH- statements:** EUH066 – Repeated exposure may cause skin dryness or cracking.

### 2.3. Other hazards

No additional information available



# SAFETY DATA SHEET

According to E.C Regulation 453-2010

## KENNOL OCTANE BOOSTER

Replace the version of xx/xx/xxxx

MSDS :xxx-164130-15/03/2019

20/03/2019

Page 3 of 13

### 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	50 - 100 %	Asp. Tox. 1; H304	- 918-481-9 - 01-2119457273-39
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	10 - 50 %	Asp. Tox. 1; H304	- 918-481-9 - 01-2119457273-39
2-ethylhexan-1-ol	< 10 %	Acute Tox. 4 (Inhalation) ; H332 Skin Irrit. 2 ; H315 Eye Irrit. 2 ; H319 STOT SE 3 ; H335	- 203-234-3 104-76-7 01-2119487289-20
Solvent naphta (petroleum), heavy arom ; Kerosine – unspecified	< 3 %	STOT SE ; H336 Asp. Tox. 1 ; H304 Aquatic Chronic 2 ; H411	649-424-00-3 265-198-5 64742-94-5 01-2119463588-24
Tricarbonyl(methylcyclopentadieny l)manganese	< 3 %	Acute Tox. 3 (Oral) ; H301 Acute Tox. 2 (Dermal) ; H310 Acute Tox. 1 (Inhalation : vapour) ; H330 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410	- 235-166-5 12108-13-3 01-2119495971-23
Polyolefin alkyl phenol alkyl amine	< 3 %	Skin Irrit. 2 ; H315	
Naphtalene	< 0,5%	Acute Tox. 4 (Oral) ; H302 Carc. 2 ; H351 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410	601-052-00-2 202-049-5 91-20-3 -

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



# SAFETY DATA SHEET

According to E.C Regulation 453-2010

## KENNOL OCTANE BOOSTER

Replace the version of xx/xx/xxxx

MSDS :xxx-164130-15/03/2019

20/03/2019

Page 4 of 13

### SECTION 4 - FIRST AID MEASURES

#### 4.1. Description of first aid measures

<b>First-aid measures general</b>	Never give anything by mouth to an unconscious person. If medical advice is needed, have product container or label at hand.
<b>First-aid measures after inhalation</b>	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
<b>First-aid measures after skin contact</b>	Remove contaminated clothes. Wash skin with plenty of water. Wash contaminated clothing before reuse
<b>First-aid measures after eye contact</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>First-aid measures after ingestion</b>	Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

#### 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, sand ; 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

Fire hazard: Flammable liquid and vapor.

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



# SAFETY DATA SHEET

According to E.C Regulation 453-2010

## KENNOL OCTANE BOOSTER

Replace the version of xx/xx/xxxx

20/03/2019

MSDS :xxx-164130-15/03/2019

Page 5 of 13

### **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.

### **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: Flammable liquid and vapor.

Precaution for safe handling:

Do not eat, drink or smoke when using this product.  
Avoid contact with skin, eyes and clothing.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.  
No smoking.

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



# SAFETY DATA SHEET

According to E.C Regulation 453-2010

## KENNOL OCTANE BOOSTER

Replace the version of xx/xx/xxxx

MSDS :xxx-164130-15/03/2019

20/03/2019

Page 6 of 13

### 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-ventilated place.

Store in original container.

### 7.3. Specific end use(s)

No additional information available.

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1. Control parameters

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics		
France	VME (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup>
France	VLE(mg/m <sup>3</sup> )	1500 mg/m <sup>3</sup>
2-ethylhexan-1-ol (104-76-7)		
EU	IOELV TWA (mg/m <sup>3</sup> )	5,4 mg/m <sup>3</sup>
EU	IOELV TWA (ppm)	1 ppm
EU	Regulatory reference	COMMISSION DIRECTIVE (EU) 2017/164
Naphthalene (91-20-3)		
EU	IOELV TWA (mg/m <sup>3</sup> )	50 mg/m <sup>3</sup>
EU	IOELV TWA (ppm)	10 ppm
France	VME (mg/m <sup>3</sup> )	50 mg/m <sup>3</sup>
France	VME (ppm)	10 ppm
Tricarbonyl(methylcyclopentadienyl)manganese (12108-13-3)		
Belgium	Limit value (mg/m <sup>3</sup> )	0,2 mg/m <sup>3</sup>
France	VME (mg/m <sup>3</sup> )	0,2 mg/m <sup>3</sup>
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics		
France	VME (mg/m <sup>3</sup> )	1200 mg/m <sup>3</sup>
France	VME (ppm)	184 ppm
Norway	Grønseverdier (AN) (mg/m <sup>3</sup> )	275 mg/m <sup>3</sup>
Norway	Grønseverdier (AN) (ppm)	50 ppm



# SAFETY DATA SHEET

According to E.C Regulation 453-2010

## KENNOL OCTANE BOOSTER

Replace the version of xx/xx/xxxx

MSDS :xxx-164130-15/03/2019

20/03/2019

Page 7 of 13

### 8.2. Exposure controls

<b>Hand protection :</b>					
Protective gloves. EN 374					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Gloves	Nitrile rubber (NBR)	6 (> 480 minutes)		3 (> 0.65)	EN 374
<b>Eye protection:</b>					
Eye protection should only be necessary where liquid could be splashed or sprayed. EN 166					
Type	Use	Characteristics	Standard		
Safety glasses		With side shields	EN 166		
<b>Skin and body protection :</b>					
Wear suitable protective clothing					
<b>Respiratory protection:</b>					
Good ventilation of the workplace required.					

Personal protective equipment symbol(s):



## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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

Physic state	Liquid
Appearance	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	59°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



# SAFETY DATA SHEET

According to E.C Regulation 453-2010

## KENNOL OCTANE BOOSTER

Replace the version of xx/xx/xxxx

MSDS :xxx-164130-15/03/2019

20/03/2019

Page 8 of 13

Density	0.79 – 0.8 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.

## **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.





# SAFETY DATA SHEET

According to E.C Regulation 453-2010

## KENNOL OCTANE BOOSTER

Replace the version of xx/xx/xxxx

MSDS :xxx-164130-15/03/2019

20/03/2019

Page 9 of 13

### 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

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclis, <2% aromatics	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 5000 mg/m <sup>3</sup> (8h)
2-ethylhexane-1-ol (104-76-7)	
LD50 oral rat	> 10000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
Solvent naphta (petroleum), heavy arom. ; Kerosine - unspecified (64742-94-5)	
LD50 dermal rabbit	> 2 ml/kg
LC50 inhalation rat (mg/l)	> 590 mg/m <sup>3</sup>
Naphthalene (91-20-3)	
LD50 oral	490 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LD50 dermal	> 2500 mg/kg
LC50 inhalation rat (mg/l)	> 340 mg/m <sup>3</sup>
Tricarbonyl(methylcyclopentadienyl)manganese (12108-13-3)	
DL50 cutanée lapin	> 2000 mg/kg
CL50 inhalation rat (mg/l)	19,8 mg/l
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	
DL50 orale rat	> 5000 mg/kg
DL50 cutanée lapin	> 5000 mg/kg
CL50 inhalation rat (mg/l)	4951 mg/m <sup>3</sup> (4h)

Skin corrosion/irritation

Not classified

Serious eye damage/irritation

Not classified

Respiratory or skin sensitisation

Not classified

Gem 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



# SAFETY DATA SHEET

According to E.C Regulation 453-2010

## KENNOL OCTANE BOOSTER

Replace the version of xx/xx/xxxx

MSDS :xxx-164130-15/03/2019

20/03/2019

Page 10 of 13

### 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.

<b>2-ethylhexane-1-ol (104-76-7)</b>	
LC50 fish 1	28,2 mg/l (Pimephales promelas, 4DY)
LC50 fish 2	17,1 mg/l (Ide mélanote (Leuciscus idus), 4DY)
EC50 other aquatic organisms 1	39 mg/l (Cladocère, 2DY)
EC50 72h algae (1)	16,6 mg/l
NOEC chronic fish	14 mg/l (Ide mélanote (Leuciscus idus), 4DY)
<b>Solvent naphta (petroleum), heavy arom. ; Kerosine - unspecified (64742-94-5)</b>	
LC50 fish 1	2 - 5 mg/l
EC50 Daphnia 1	3 - 10 mg/l
EC50 72h algae (1)	< 10 mg/l
<b>Naphthalene (91-20-3)</b>	
LC50 fish 2	>= 2350 µg/l 48 hours
EC50 Daphnia 1	1,96 mg/l 48 hours
<b>Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b>	
LC50 fish 1	> 1000 mg/l
EC50 Daphnia 1	> 1000 mg/l
EC50 72h algae (1)	> 1000 mg/l

#### 12.2. Persistence and degradability

<b>Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b>	
Persistence and degradability	Readibly biodegradable
Biodegradation	80 % 28 days

#### 12.3. Bioaccumulative potential

<b>2-ethylhexane-1-ol (104-76-7)</b>	
Log Pow	2,9



# SAFETY DATA SHEET

According to E.C Regulation 453-2010

## KENNOL OCTANE BOOSTER

Replace the version of xx/xx/xxxx

MSDS :xxx-164130-15/03/2019

20/03/2019

Page 11 of 13

### 12.4. Mobility in soil

#### 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: UN 1993

### 14.2. UN proper shipping name

· ADR

UN 1993 FLAMMABLE LIQUID, N.O.S. (MIXTURE CONTAINS Petroleum naphta, Trimethylbenzenes), 3, III, (D/E)

· IMDG

UN 1993 FLAMMABLE LIQUID, N.O.S., 3, III

· IATA

UN 1993 FLAMMABLE LIQUID, N.O.S., 3, III

### **14.3. Transport hazard class(es)**

· **ADR**

Class 3 (F1) Flammables liquids



· **IMDG, IATA**

Class 3 Flammables liquids



### **14.4. Packing group**

ADR Packing group: III

IMDG packing group: III

IATA packing group: III

### **14.5. Environmental hazards**

Dangerous for the environment : No

IMDG – Marine pollutant : No

In case of leakage and / or spreading: Clean up leaks or even minor losses if possible without taking unnecessary risk

### **14.6. Special precautions for user**

Individual precautions: The driver should not take action in case of cargo fire.

Emergency measures in the event of an accident: No naked flames. No smoking.

Keep public away from danger area.

IMMEDIATELY CONTACT POLICE AND FIREMEN.

Other information: None.

### **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:



# SAFETY DATA SHEET

According to E.C Regulation 453-2010

## KENNOL OCTANE BOOSTER

Replace the version of xx/xx/xxxx

MSDS :xxx-164130-15/03/2019

20/03/2019

Page 13 of 13

- 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.

### 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:

H226 – Flammable liquid and vapour.  
H301 – Toxic if swallowed.  
H302 – Harmful if swallowed.  
H304 – May be fatal if swallowed and enters airways.  
H310 – Fatal in contact with skin.  
H315 – Causes skin irritation.  
H319 – Causes serious eye irritation.  
H330 – Fatal if inhaled.  
H332 – Harmful if inhaled.  
H335 – May cause respiratory irritation.  
H336 – May cause drowsiness or dizziness.  
H351 – Suspected of causing cancer.  
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.  
H412 – Harmful to aquatic life with long lasting effects.

---

Since conditions or methods of use are not under our control, we assume no liability and expressly disclaim all liability for the use of this product. The information contained hereby is considered as true and accurate, but all declarations or suggestions are made without warranty of any kind, either expressed or implied, as to the accuracy of the information, the hazards associated with this product or results that could be obtained with the use of such product. The respect of all governmental, provincial and local regulations is left to the sole responsibility of the user.