



# SAFETY DATA SHEET

According to E.C Regulation 453-2010

## KENNOL PETROL INJECTION CLEANER

Replace the version of xx/xx/xxxx

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

#### 1.1. Product identifier

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

#### 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  
H312 – Acute toxicity (dermal), Category 4  
H315 – Skin corrosion/irritation, Category 2  
H319 – Serious eye damage/eye irritation, Category 2



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- H332 – Acute toxicity (inhalation:vapour), Category 4
- H335 – Specific target organ toxicity – Single exposure, Category 3
- H373 – Specific target organ toxicity – Repeated exposure, Category 2
- H412 – Hazardous to the aquatic environment – Chronic Hazard, Category 3

### 2.2. Label elements

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

##### Hazard pictogram(s):



**Signal word(s):** DANGER

**Hazardous ingredients:** Xylene (mixture) ; Ethylbenzene

##### Hazard statement(s):

- H226 – Flammable liquid and vapour.
- 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.
- H373 – May cause damage to organs (central nervous system, kidneys, liver) through prolonged or repeated exposure.
- 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.
- P260 – Do not breathe vapours.
- P264 – Wash hands thoroughly after handling.
- P271 – Use only outdoors or in a well-ventilated area.
- P273 – Avoid release to the environment.
- P280 – Wear eye protection, face protection.

##### Precautionary statement(s) - Intervention

- P301+P310 – IF SWALLOWED: Immediately call a POISON CENTER, a doctor.
- P331 – Do NOT induce vomiting.
- P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.



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P312 – Call a POISON CENTER, a doctor if you feel unwell.

P337+P313 – If eye irritation persists: Get medical advice/attention

### Precautionary advice- Storage

P403+P233 – Store in a well-ventilated place. Keep container tightly closed.

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

### 2.3. Other hazards

No additional information available

## 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
Xylene (mixture)	40 – 60 %	Flam. Liq. 3 ; H226 Acute Tox. 4 (Dermal) ; H312 Acute Tox. 4 (Inhalation) ; H332 Skin Irrit. 2 ; H315 Eye Irrit. 2 ; H319 STOT SE 3 ; H335 STOT RE 2 ; H373 Asp. Tox. 1 ; H304	601-022-00-9 215-535-7 1330-20-7 01-2119488216-32
4-methylpentan-2-ol	15 - 30 %	Flam. Liq. 3 ; H226 Eye Irrit. 2 ; H319 STOT SE 3 ; H335	603-008-00-8 203-551-7 108-11-2 01-2119473979-13
Ethylbenzene	5 – 15 %	Flam. Liq. 3 ; H226 Eye Irrit. 2 ; H319 STOT SE 3 ; H335	601-023-00-4 202-849-4 100-41-4 01-2119489370-35



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Oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1)	< 3 %	Skin Irrit. 2 ; H315 Eye Irrit. 2 ; H319 STOT RE 2 ; H373 Aquatic Acute 1 ; H400 (M=10) Aquatic Chronic 2 ; H411	- 251-846-4 34140-91-5 01-2119974119-29
Phenol, (dimethylamino)methyl-, polyisobutylene derivs	< 3 %	Aquatic Chronic 3 ; H412	
Toluene	< 1 %	Flam. Liq. 2 ; H225 Skin Irrit ; H315 Repr. 2 ; H361d STOT SE 3 ; H336 STOT RE 2 ; H373 Asp. Tox. 1 ; H304 Aquatic Chronic 3 ; H412	601-021-00-3 203-625-9 108-88-3 01-2119471310-51
Naphthalene Substance with a Community workplace exposure limit Substance with national workplace exposure limit(s) (BE,FR)	< 0.1%	Flam. Sol. 2 ; H228 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
<b>Specific concentration limits :</b>			
	<b>Specific concentration limits :</b>		
4-methylpentan-2-ol	(C>=25)	STOT SE 3 ; H335	603-008-00-8 203-551-7 108-11-2 01-2119473979-13

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 eye contact</b>	Causes serious eye irritation.
<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**

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.

### **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: Flammable liquid and vapor.

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

Naphthalene (91-20-3)		
UE	IOELV TWA (mg/m <sup>3</sup> )	50 mg/m <sup>3</sup>
UE	IOELV TWA (ppm)	10 ppm
UE	Regulatory reference	COMMISSION DIRECTIVE 91/322/EEC; SCOEL Recommendations
Belgium	Limit value (mg/m <sup>3</sup> )	53 mg/m <sup>3</sup>
Belgium	Limit value (ppm)	10 ppm
Belgium	Short time value (mg/m <sup>3</sup> )	80 mg/m <sup>3</sup>
Belgium	Short time value (ppm)	15 ppm
Belgium	Remark (BE)	D: la mention "D" signifie que la résorption de l'agent, via la peau, les muqueuses ou les yeux, constitue une partie importante de l'exposition totale. Cette résorption peut se faire tant par contact direct que par présence de l'agent dans l'air.
Belgium	Regulatory reference	Arrêté royal 11/03/2002
France	VME (mg/m <sup>3</sup> )	50 mg/m <sup>3</sup>
France	VME (ppm)	10 ppm
France	Note (FR)	Valeurs recommandées/admises; substance classée cancérigène de catégorie 2
France	Regulatory reference	Circulaire du Ministère du travail (réf.: INRS ED 984, 2016)
xylene (mixture) (1330-20-7)		
UE	IOELV TWA (mg/m <sup>3</sup> )	221 mg/m <sup>3</sup>
UE	IOELV TWA (ppm)	50 ppm
UE	IOELV STEL (mg/m <sup>3</sup> )	442 mg/m <sup>3</sup>
UE	IOELV STEL (ppm)	100 ppm
UE	Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
Belgium	Limit value (mg/m <sup>3</sup> )	221 mg/m <sup>3</sup>
Belgium	Limit value (ppm)	50 ppm
Belgium	Short time value (mg/m <sup>3</sup> )	442 mg/m <sup>3</sup>
Belgium	Short time value (ppm)	100 ppm



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### xylene (mixture) (1330-20-7)

Belgium	Remark (BE)	D: la mention "D" signifie que la résorption de l'agent, via la peau, les muqueuses ou les yeux, constitue une partie importante de l'exposition totale. Cette résorption peut se faire tant par contact direct que par présence de l'agent dans l'air.
Belgium	Regulatory reference	Arrêté royal 11/03/2002
France	VME (mg/m <sup>3</sup> )	221 mg/m <sup>3</sup>
France	VME (ppm)	50 ppm
France	VLE(mg/m <sup>3</sup> )	442 mg/m <sup>3</sup>
France	VLE (ppm)	100 ppm
France	Note (FR)	Valeurs réglementaires contraignantes; risque de pénétration percutanée
France	Regulatory reference	Article R4412-149 du Code du travail (réf.: INRS ED 984, 2016)

### Ethylbenzene (100-41-4)

UE	IOELV TWA (mg/m <sup>3</sup> )	442 mg/m <sup>3</sup>
UE	IOELV TWA (ppm)	100 ppm
UE	IOELV STEL (mg/m <sup>3</sup> )	884 mg/m <sup>3</sup>
UE	IOELV STEL (ppm)	200 ppm
UE	Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
France	VME (mg/m <sup>3</sup> )	88,4 mg/m <sup>3</sup>
France	VME (ppm)	20 ppm
France	VLE (mg/m <sup>3</sup> )	402 mg/m <sup>3</sup>
France	VLE (ppm)	100 ppm
France	Note (FR)	Valeurs réglementaires contraignantes; risque de pénétration percutanée
France	Regulatory reference	Article R4412-149 du Code du travail (réf.: INRS ED 984, 2016)

### Toluene (108-88-3)

UE	IOELV TWA (mg/m <sup>3</sup> )	192 mg/m <sup>3</sup>
UE	IOELV TWA (ppm)	50 ppm
UE	IOELV STEL (mg/m <sup>3</sup> )	384 mg/m <sup>3</sup>
UE	IOELV STEL (ppm)	100 ppm
UE	Regulatory reference	COMMISSION DIRECTIVE 2006/15/EC





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Toluene (108-88-3)		
Belgium	Limit value (mg/m <sup>3</sup> )	77 mg/m <sup>3</sup>
Belgium	Limit value (ppm)	20 ppm
Belgium	Short time value (mg/m <sup>3</sup> )	384 mg/m <sup>3</sup>
Belgium	Short time value (ppm)	100 ppm
Belgium	Remark (BE)	D: la mention "D" signifie que la résorption de l'agent, via la peau, les muqueuses ou les yeux, constitue une partie importante de l'exposition totale. Cette résorption peut se faire tant par contact direct que par présence de l'agent dans l'air.
Belgium	Regulatory reference	Arrêté royal 11/03/2002
France	VME (mg/m <sup>3</sup> )	76,8 mg/m <sup>3</sup>
France	VME (ppm)	20 ppm
France	VLE(mg/m <sup>3</sup> )	384 mg/m <sup>3</sup>
France	VLE (ppm)	100 ppm
France	Note (FR)	Valeurs réglementaires contraignantes; substance classée toxique pour la reproduction de catégorie 2; risque de pénétration percutanée
France	Regulatory reference	Article R4412-149 du Code du travail (réf.: INRS ED 984, 2016)

## 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.

Device	Filter Type	Condition	Standard
Breathing equipment	Gas/vapour filter	Vapour protection	

### Personal protective equipment symbol(s):



## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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

Physic state	Liquid
Appearance	Clear
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	27°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	0.863 – 0.873 g/cm <sup>3</sup> (20°C)
Solubility	No data available
Log Pow	No data available
Kinematic viscosity	< 20 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): Dermal: Harmful in contact with skin.

Acute toxicity (inhalation): Inhalation: vapour: Harmful if inhaled

ATE CLP (dermal)	1943.998 mg/kg bodyweight
ATE CLP (vapours)	16.216 mg/l/4h

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	
LD50 oral rat	>= 5000 mg/kg
LD50 dermal rabbit	>= 5000 mg/kg
LC50 inhalation rat (mg/l)	>= 50 mg/l/4h



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<b>Naphthalene (91-20-3)</b>	
LD50 oral rat	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>
<b>Reaction mass of 1,5-dimethyl glutarate, 1,6-dimethyl adipate and 1,4-dimethyl succinate</b>	
LD50 oral rat	5000 mg/kg
LD50 dermal rat	2000 mg/kg
LC50 inhalation rat (Vapours - mg/l/4h)	11000 mg/l/4h
<b>Xylene (mixture) (1330-20-7)</b>	
LD50 oral rat	2000 mg/kg
LD50 dermal	1100 mg/kg
LC50 inhalation rat (Dust/Mist - mg/l/4h)	1,5 mg/l/4h
LC50 inhalation rat (Vapours - mg/l/4h)	11 mg/l/4h
<b>Toluene (108-88-3)</b>	
LD50 oral rat	5580 mg/kg
LD50 dermal rabbit	5000 mg/kg
LC50 inhalation rat (Vapours - mg/l/4h)	28,1 mg/l/4h
<b>Oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1) (34140-91-5)</b>	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg

Skin corrosion/irritation  
Serious eye damage/irritation  
Respiratory or skin sensitisation  
Gem cell mutagenicity  
Carcinogenicity  
Reproductive toxicity  
STOT-single exposure  
STOT-repeated exposure

Causes skin irritation  
Causes serious eye damage  
Not classified  
Not classified  
Not classified  
Not classified  
May cause respiratory irritation.  
May cause damage to organs (central nervous system, kidneys, liver) through prolonged or repeated exposure.

<b>Oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1) (34140-91-5)</b>	
NOAEL (subchronic, oral, animal/male, 90 days)	1 mg/kg bodyweight

Aspiration hazard

May be fatal if swallowed and enters airways



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### 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>Naphthalene (91-20-3)</b>	
LC50 fish 1	>= 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	2 mg/l 4 days
EC50 other aquatic organisms 1	3 mg/l aquatic invertebrates
EC50 other aquatic organisms 2	1,1 mg/l algae
<b>Phenol, (dimethylamino)methyl-, polyisobutylene derivs.</b>	
LC50 fish 1	31 mg/l 4 days
EC50 other aquatic organisms 1	> 100 mg/l aquatic invertebrates
EC50 96h algae (1)	> 450 mg/l
<b>Reaction mass of 1,5-dimethyl glutarate, 1,6-dimethyl adipate and 1,4-dimethyl succinate</b>	
LC50 fish 1	18 – 24 mg/l
EC50 Daphnia 1	112 – 150 mg/l
EC50 72h algae (1)	> 85 mg/l
<b>Xylene (mixture) (1330-20-7)</b>	
LC50 fish 1	2 – 11 mg/l
LC50 fish 2	13,5 mg/l
LC50 other aquatic organisms 1	21 mg/l
EC50 Daphnia 1	1 – 5 mg/l
EC50 72h algae (1)	3 – 5 mg/l
<b>Ethylbenzene (100-41-4)</b>	
LC50 fish 1	12,1 mg/l
EC50 Daphnia 1	1,8 – 2,4 mg/l
EC50 72h algae (1)	438 mg/l
<b>Toluene (108-88-3)</b>	
LC50 fish 1	5,5 mg/l
EC50 Daphnia 1	3,78 mg/l
EC50 72h algae (1)	10 mg/l
LOEC (chronic)	2,77 mg/l 40 days onchorhynchus mykiss



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<b>Toluene (108-88-3)</b>	
NOEC chronic fish	1,39 mg/l 40 days onchorhynchus mykiss
NOEC chronic crustacea	10 mg/l
<b>Oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1) (34140-91-5)</b>	
LC50 fish 1	1,34 mg/l LC50 96h – fish [mg/l]
EC50 Daphnia 1	1,4 mg/l
NOEC (acute)	993,2 mg/kg

### 12.2. Persistence and degradability

<b>Hydrocarbons, C10, aromatics, &gt;1% naphthalene</b>	
Biodegradation	58 % 28 days
<b>Phenol, (dimethylamino)methyl-, polyisobutylene derivs.</b>	
Biodegradation	20,7 % 28 days
<b>Reaction mass of 1,5-dimethyl glutarate, 1,6-dimethyl adipate and 1,4-dimethyl succinate</b>	
Persistence and degradability	Readily biodegradable.
<b>Xylene (mixture) (1330-20-7)</b>	
Persistence and degradability	Readily biodegradable.
<b>Ethylbenzene (100-41-4)</b>	
Persistence and degradability	Readily biodegradable.
<b>Toluene (108-88-3)</b>	
Persistence and degradability	Readily biodegradable.
<b>Oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1) (34140-91-5)</b>	
Biodegradation	61 % 28 days

### 12.3. Bioaccumulative potential

<b>Xylene (mixture) (1330-20-7)</b>	
Log Pow	2,77 – 3,15
Bioaccumulative potential	Not bioaccumulable
<b>Ethylbenzene (100-41-4)</b>	
Log Pow	3,5
<b>Toluene (108-88-3)</b>	
Bioconcentration factor (BCF REACH)	90
Log Pow	2,65
Bioaccumulative potential	Not bioaccumulable



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### Oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1) (34140-91-5)

Bioconcentration factor (BCF REACH)	70,8
Log Kow	32,91

#### 12.4. Mobility in soil

### Reaction mass of 1,5-dimethyl glutarate, 1,6-dimethyl adipate and 1,4-dimethyl succinate

Ecology – soil	Insoluble in water
----------------	--------------------

### Xylene (mixture) (1330-20-7)

Ecology – soil	Insoluble in water. Floats in water.
----------------	--------------------------------------

### Ethylbenzene (100-41-4)

Ecology – soil	Insoluble in water
----------------	--------------------

### Toluene (108-88-3)

Surface tension	0,0242 mN/m 20°C
-----------------	------------------

#### 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



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· **ADR**

UN 1993 FLAMMABLE LIQUID, N.O.S. (CONTAINS ; xylene (mixture) ; Ethylbenzene), 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.





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### 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.

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

No chemical safety assessment has been carried out.



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### SECTION 16 - OTHER INFORMATION

#### Modifications indications

1<sup>st</sup> version

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

- H225 – Highly flammable liquid and vapour.
- H226 – Flammable liquid and vapour.
- 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.
- H336 – May cause drowsiness or dizziness.
- H351 – Suspected of causing cancer.
- H361d – Suspected of damaging the unborn child.
- H373 – May cause damage to organs through prolonged or repeated exposure.
- 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.

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