

## SAFETY DATA SHEET

# JLM Petrol Hybrid Treatment 250ml

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

### 1.1. Product identifier

**Trade name**

JLM Petrol Hybrid Treatment 250ml

**Product no.**

J03195

**Unique formula identifier (UFI)**

GAU8-P0QG-P006-4G9R

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

**Relevant identified uses of the substance or mixture**

Additive

**Use descriptors (REACH)**

Product category	Description
	Additives to petrol or diesel fuel

**Uses advised against**

None known.

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

**Company and address**

**JLM Lubricants BV**  
Schiphol Boulevard 127  
1118 BG Schiphol  
Netherlands  
+31 (0)20 2014995  
www.jlmlubricants.com

**Contact person**

Product Safety Department

**E-mail**

info@jlmlubricants.com

**Revision**

31/05/2023

**SDS Version**

3.0

**Date of previous version**

24/01/2023 (2.0)

### 1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service).  
See section 4 "First aid measures".

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Asp. Tox. 1; H304, May be fatal if swallowed and enters airways.

Aquatic Chronic 3; H412, Harmful to aquatic life with long lasting effects.

Classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

### 2.2. Label elements

Hazard pictogram(s)



**Signal word**

Danger

**Hazard statement(s)**

May be fatal if swallowed and enters airways. (H304)  
Harmful to aquatic life with long lasting effects. (H412)

**Precautionary statement(s)**

**General**

Keep out of reach of children. (P102)

**Prevention**

Avoid release to the environment. (P273)

**Response**

IF SWALLOWED: Immediately call a POISON CENTER/doctor. (P301+P310)  
Do NOT induce vomiting. (P331)

**Storage**

-

**Disposal**

Dispose of contents/container in accordance with local regulation. (P501)

**Hazardous substances**

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics  
Hydrocarbons, C10, aromatics, > 1% naphthalene  
Diethylbenzene

**Additional labelling**

EUH066, Repeated exposure may cause skin dryness or cracking.  
UFI: 790K-74EH-000N-5T5Q

**2.3. Other hazards**

**Additional warnings**

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.  
This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

**SECTION 3: Composition/information on ingredients**

**3.1. Substances**

Not applicable. This product is a mixture.

**3.2. Mixtures**

Product/substance	Identifiers	% w/w	Classification	Note
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	CAS No.: EC No.: 918-481-9 UK-REACH: Index No.:	80-95%	EUH066 Asp. Tox. 1, H304	
Hydrocarbons, C10, aromatics, > 1% naphthalene	CAS No.: EC No.: 919-284-0 UK-REACH: Index No.:	1-3%	EUH066 Asp. Tox. 1, H304 STOT SE 3, H336 Aquatic Chronic 2, H411	
Polyolefin alkyl phenol alkyl amine	CAS No.: EC No.: UK-REACH: Index No.:	1-3%	Skin Irrit. 2, H315	
Alkaryl polyether	CAS No.: EC No.: UK-REACH: Index No.:	1-3%	Aquatic Chronic 3, H412	

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

1,2,4-trimethylbenzene	CAS No.: 95-63-6 EC No.: 202-436-9 UK-REACH: Index No.: 601-043-00-3	<1%	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4, H332 STOT SE 3, H335 Aquatic Chronic 2, H411	[1]
2,6-di-tert-butylphenol	CAS No.: 128-39-2 EC No.: 204-884-0 UK-REACH: Index No.:	<1%	Skin Irrit. 2, H315 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	
2-ethylhexan-1-ol	CAS No.: 104-76-7 EC No.: 203-234-3 UK-REACH: Index No.:	<1%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4, H332 STOT SE 3, H335	[1]
naphthalene	CAS No.: 91-20-3 EC No.: 202-049-5 UK-REACH: Index No.: 601-052-00-2	<1%	Flam. Sol. 2, H228 Acute Tox. 4, H302 Carc. 2, H351 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	[1]
mesitylene;1,3,5-trimethylbenzene	CAS No.: 108-67-8 EC No.: 203-604-4 UK-REACH: Index No.: 601-025-00-5	<1%	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Chronic 2, H411	[1]
Diethylbenzene	CAS No.: 25340-17-4 EC No.: 246-874-9 UK-REACH: Index No.:	<1%	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	
propylbenzene;cumene	CAS No.: 98-82-8 EC No.: 202-704-5 UK-REACH: Index No.: 601-024-00-X	<0.05%	Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H335 Carc. 2, H351 Aquatic Chronic 2, H411	[1]

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

#### Other information

[1] European occupational exposure limit.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

##### Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

##### Skin contact

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

#### Eye contact

Upon irritation of the eye: Remove contact lenses and open eyes widely. Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Seek medical assistance and continue flushing during transport.

#### Ingestion

IF SWALLOWED: Immediately call a POISON CENTER/doctor.

Do not induce vomiting! If vomiting occurs, keep head facing down so that vomit does not get into the lungs. Call a doctor or ambulance. Symptoms of chemical pneumonia can appear after several hours. People who have swallowed the product should therefore be kept under medical attention for at least 48 hours.

#### Burns

Not applicable.

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

Headache, Methaemoglobinaemia (naphthalene)

This product contains substances that can cause chemical pneumonia if swallowed. Symptoms of chemical pneumonia may appear after several hours.

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

IF exposed or concerned:

Get immediate medical advice/attention.

#### Information to medics

Bring this safety data sheet or the label from this product.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

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

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO<sub>2</sub>)

#### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact

The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

### SECTION 6: Accidental release measures

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

Avoid direct contact with spilled substances.

#### 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

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

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

#### 6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment.

Avoid direct contact with the product.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

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

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

### Recommended storage material

Keep only in original packaging.

### Storage temperature

Dry, cool and well ventilated

Store out of direct sunlight.

### Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

## 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

## SECTION 8: Exposure controls/personal protection

### 8.1. ▼ Control parameters

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics

Long term exposure limit (8 hours) (ppm): 184

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 1200

2-ethylhexan-1-ol

Long term exposure limit (8 hours) (ppm): 1

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 5,4

propylbenzene;cumene

Long term exposure limit (8 hours) (ppm): 25

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 125

Short term exposure limit (15 minutes) (ppm): 50

Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 250

Annotations:

Sk = Can be absorbed through the skin and lead to systemic toxicity.

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.  
EH40/2005 Workplace exposure limits (Fourth Edition 2020).

### ▼ DNEL

1,2,4-trimethylbenzene

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	9512 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	16171 mg/kg bw/day
Long term – Local effects - General population	Inhalation	29.4 mg/m <sup>3</sup>
Long term – Local effects - Workers	Inhalation	100 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Inhalation	29.4 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	100 mg/m <sup>3</sup>
Short term – Local effects - General population	Inhalation	29.4 mg/m <sup>3</sup>
Short term – Local effects - Workers	Inhalation	100 mg/m <sup>3</sup>
Short term – Systemic effects - General population	Inhalation	29.4 mg/m <sup>3</sup>
Short term – Systemic effects - Workers	Inhalation	100 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	15 mg/kg bw/day

2-ethylhexan-1-ol

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	11.4 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	23 mg/kg bw/day
Long term – Local effects - General population	Inhalation	26.6 mg/m <sup>3</sup>

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Long term – Local effects - Workers	Inhalation	53.2 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Inhalation	2.3 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	12.8 mg/m <sup>3</sup>
Short term – Local effects - General population	Inhalation	26.6 mg/m <sup>3</sup>
Short term – Local effects - Workers	Inhalation	53.2 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	1.1 mg/kg bw/day

#### naphthalene

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - Workers	Dermal	3,57 mg/kgbw/day
Long term – Systemic effects - Workers	Inhalation	25 mg/m <sup>3</sup>

#### propylbenzene;cumene

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	1.2 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	15.4 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	16.6 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	100 mg/m <sup>3</sup>
Short term – Local effects - Workers	Inhalation	250 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	5 mg/kg bw/day

#### ▼ PNEC

##### 1,2,4-trimethylbenzene

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		120 µg/L
Freshwater sediment		13.56 mg/kg
Intermittent release (freshwater)		120 µg/L
Marine water		120 µg/L
Marine water sediment		13.56 mg/kg
Sewage treatment plant		2.41 mg/L
Soil		2.34 mg/kg

##### 2-ethylhexan-1-ol

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		17 µg/L
Freshwater sediment		284 µg/kg
Intermittent release (freshwater)		170 µg/L
Marine water		1.7 µg/L
Marine water sediment		28.4 µg/kg
Predators		55 mg/kg
Sewage treatment plant		10 mg/L
Soil		47 µg/kg

#### naphthalene

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		0,0024 mg/L
Marine water		0,0024 mg/L

## 8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

### General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

### Exposure scenarios

There are no exposure scenarios implemented for this product.

### Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

### Appropriate technical measures

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

### Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

### Measures to avoid environmental exposure

Keep damming materials near the workplace. If possible, collect spillage during work.

### Individual protection measures, such as personal protective equipment

#### Generally


Use only UKCA marked protective equipment.

#### Respiratory Equipment

Type	Class	Colour	Standards
No special when used as intended.			


#### Skin protection

Recommended	Type/Category	Standards
Dedicated work clothing should be worn.	-	-



#### Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
Nitrile	0,38	> 240	EN374-2, EN374-3, EN388



#### Eye protection

Type	Standards
Safety glasses with side shields.	EN166



## SECTION 9: Physical and chemical properties

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

#### Physical state

Liquid

#### Colour

Tan

#### Odour / Odour threshold

Characteristic

#### pH

Testing not relevant or not possible due to nature of the product.

#### Density (g/cm<sup>3</sup>)

0.797 (20 °C)

#### Kinematic viscosity

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

No data available

Particle characteristics

Not applicable - product is a liquid

Phase changes

Melting point/Freezing point (°C)

No data available

Softening point/range (waxes and pastes) (°C)

Does not apply to liquids.

Boiling point (°C)

>150

Vapour pressure

No data available

Relative vapour density

No data available

Decomposition temperature (°C)

No data available

Data on fire and explosion hazards

▼ Flash point (°C)

>61

Flammability (°C)

No data available

Auto-ignition temperature (°C)

No data available

Lower and upper explosion limit (% v/v)

No data available

Solubility

Solubility in water

Insoluble

n-octanol/water coefficient

No data available

Solubility in fat (g/L)

No data available

9.2. Other information

Evaporation rate (n-butylacetate = 100)

No data available

Other physical and chemical parameters

No data available.

▼ Oxidizing properties

No data available

## SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

## SECTION 11: Toxicological information

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



According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

▼ **Acute toxicity**

Product/substance: Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics  
 Test method: OECD 403  
 Species: Rat  
 Route of exposure: Inhalation  
 Test: LC50 (4 hours)  
 Result: >5000 mg/m<sup>3</sup>

Product/substance: Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics  
 Test method: OECD 401  
 Species: Rat  
 Route of exposure: Oral  
 Test: LD50  
 Result: >5000 mg/kg

Product/substance: Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics  
 Test method: OECD 402  
 Species: Rabbit  
 Route of exposure: Dermal  
 Test: LD50  
 Result: >5000 mg/kg

Product/substance: Hydrocarbons, C10, aromatics, > 1% naphthalene  
 Test method: OECD 403  
 Species: Rat  
 Route of exposure: Inhalation  
 Test: LC50 (dust)  
 Result: >4778 mg/m<sup>3</sup>

Product/substance: Hydrocarbons, C10, aromatics, > 1% naphthalene  
 Test method: OECD 403  
 Species: Rat  
 Route of exposure: Inhalation  
 Test: LC50  
 Result: >4688 mg/m<sup>3</sup>

Product/substance: Hydrocarbons, C10, aromatics, > 1% naphthalene  
 Test method: OECD 402  
 Species: Rabbit  
 Route of exposure: Dermal  
 Test: LD50  
 Result: >2000 mg/kg

Product/substance: Hydrocarbons, C10, aromatics, > 1% naphthalene  
 Test method: OECD 401  
 Species: Rat  
 Route of exposure: Oral  
 Test: LD50  
 Result: 6318 mg/kg

Product/substance: Polyolefin alkyl phenol alkyl amine  
 Test method: OECD 402  
 Species: Rat  
 Route of exposure: Dermal  
 Test: LD50  
 Result: >2000 mg/kg

Product/substance: Polyolefin alkyl phenol alkyl amine  
 Test method: OECD 423  
 Species: Rat  
 Route of exposure: Oral  
 Test: LD50  
 Result: >5000 mg/kg

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Product/substance	Alkaryl polyether
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>3000 mg/kg
Product/substance	Alkaryl polyether
Test method:	OECD 423
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>2000 mg/kg
Product/substance	1,2,4-trimethylbenzene
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	10200 mg/m <sup>3</sup>
Product/substance	1,2,4-trimethylbenzene
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>3440 mg/kg
Product/substance	naphthalene
Test method:	OECD 403
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	>0,4 mg/L
Product/substance	naphthalene
Test method:	OECD 402
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>16000 mg/kg
Product/substance	naphthalene
Test method:	OECD 401
Species:	Mouse
Route of exposure:	Oral
Test:	LD50
Result:	533 mg/kg
Product/substance	mesitylene;1,3,5-trimethylbenzene
Species:	Rat
Route of exposure:	
Test:	LC50
Result:	10,2 mg/L
Product/substance	mesitylene;1,3,5-trimethylbenzene
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>3440 mg/kg
Product/substance	mesitylene;1,3,5-trimethylbenzene
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>5000 mg/kg

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Product/substance Diethylbenzene  
Species: Rabbit  
Route of exposure: Dermal  
Test: LD50  
Result: >5000 mg/kg

Product/substance Diethylbenzene  
Species: Rat  
Route of exposure: Oral  
Test: LD50  
Result: 2050 mg/kg

Product/substance propylbenzene;cumene  
Species: Rabbit  
Route of exposure: Dermal  
Test: LD50  
Result: >10000 mg/kg

Product/substance propylbenzene;cumene  
Species: Rat  
Route of exposure: Oral  
Test: LD50  
Result: 2260 mg/kg

#### ▼ Skin corrosion/irritation

Product/substance Polyolefin alkyl phenol alkyl amine  
Test method: OECD 404  
Species: Rabbit  
Duration:  
Result: Adverse effect observed (Irritating)

Product/substance 1,2,4-trimethylbenzene  
Species: Rabbit  
Duration:  
Result: Adverse effect observed (Irritating)

Product/substance mesitylene;1,3,5-trimethylbenzene  
Species: Rabbit  
Duration:  
Result: Adverse effect observed (Irritating)

Product/substance Diethylbenzene  
Test method: OECD 404  
Species: Rabbit  
Duration:  
Result: Adverse effect observed (Irritating)

#### ▼ Serious eye damage/irritation

Product/substance mesitylene;1,3,5-trimethylbenzene  
Test method: OECD 405  
Species: Rabbit  
Duration:  
Result: Adverse effect observed (Irritating)

Product/substance Diethylbenzene  
Species: Rabbit  
Duration:  
Result: Adverse effect observed (Slightly irritating)

#### Respiratory sensitisation

Based on available data, the classification criteria are not met.

#### Skin sensitisation

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Based on available data, the classification criteria are not met.

#### ▼ Carcinogenicity

Product/substance: naphthalene  
 Species: Rat  
 Route of exposure: Inhalation  
 Target organ:  
 Duration: 24 months  
 Test: NOAEL  
 Result:  
 Conclusion: Adverse effect observed

Product/substance: propylbenzene;cumene  
 Test method: OECD 451  
 Species: Rat  
 Route of exposure: Inhalation  
 Target organ:  
 Duration: 24 months  
 Test:  
 Result:  
 Conclusion: Adverse effect observed

#### ▼ Reproductive toxicity

Product/substance: Polyolefin alkyl phenol alkyl amine  
 Test method: OECD 421  
 Species: Rat, female  
 Duration:  
 Test:  
 Result:  
 Conclusion: Adverse effect observed

#### STOT-single exposure

Based on available data, the classification criteria are not met.

#### STOT-repeated exposure

Based on available data, the classification criteria are not met.

#### Aspiration hazard

May be fatal if swallowed and enters airways.

#### 11.2. Information on other hazards

#### Long term effects

None known.

#### ▼ Endocrine disrupting properties

Not applicable.

#### Other information

naphthalene has been classified by IARC as a group 2B carcinogen.

propylbenzene;cumene has been classified by IARC as a group 2B carcinogen.

## SECTION 12: Ecological information

### 12.1. ▼ Toxicity

Product/substance: Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics  
 Species: Daphnia, Daphnia magna  
 Duration: 48 hours  
 Test: ELO  
 Result: 1000 mg/L

Product/substance: Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics  
 Species: Fish, Oncorhynchus mykiss  
 Duration: 96 hours  
 Test: LLO  
 Result: 1000 mg/L

Product/substance: Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics  
 Species: Algae, Pseudokirchneriella subcapitata  
 Duration: 72 hours  
 Test: ELO

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Result:	1000 mg/L
Product/substance	Hydrocarbons, C10, aromatics, > 1% naphthalene
Species:	Algae, Pseudokirchneriella subcapitata
Duration:	72 hours
Test:	EL50
Result:	>1 mg/L
Product/substance	Hydrocarbons, C10, aromatics, > 1% naphthalene
Species:	Daphnia, Daphnia magna
Duration:	48 hours
Test:	EL50
Result:	1,4 mg/L
Product/substance	Hydrocarbons, C10, aromatics, > 1% naphthalene
Species:	Fish
Duration:	96 hours
Test:	LL50
Result:	2-5 mg/L
Product/substance	Hydrocarbons, C10, aromatics, > 1% naphthalene
Species:	Algae, Pseudokirchneriella subcapitata
Duration:	72 hours
Test:	NOELR
Result:	1 mg/L
Product/substance	Hydrocarbons, C10, aromatics, > 1% naphthalene
Species:	Daphnia, Daphnia magna
Duration:	21 days
Test:	NOELR
Result:	0,48 mg/L
Product/substance	Polyolefin alkyl phenol alkyl amine
Species:	Algae
Duration:	96 hours
Test:	EC50
Result:	5,4 mg/L
Product/substance	Polyolefin alkyl phenol alkyl amine
Species:	Algae
Duration:	96 hours
Test:	NOEC
Result:	3,65 mg/L
Product/substance	Polyolefin alkyl phenol alkyl amine
Species:	Daphnia, Daphnia magna
Duration:	21 days
Test:	NOEC
Result:	3,38 mg/L
Product/substance	1,2,4-trimethylbenzene
Species:	Daphnia, Daphnia magna
Duration:	48 hours
Test:	LC50
Result:	3,6 mg/L
Product/substance	1,2,4-trimethylbenzene
Species:	Fish, Pimephales promelas
Duration:	96 hours
Test:	LC50
Result:	7,72 mg/L
Product/substance	naphthalene

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Species: Algae, Pseudokirchneriella subcapitata  
Duration: 96 hours  
Test: EC50  
Result: 2,96 mg/L

Product/substance naphthalene  
Species: Daphnia, Daphnia magna  
Duration: 48 hours  
Test: EC50  
Result: 2,16 mg/L

Product/substance naphthalene  
Species: Fish, Oncorhynchus gorboscha  
Duration: 96 hours  
Test: LC50  
Result: 0,96 mg/L

Product/substance naphthalene  
Species: Daphnia, Daphnia pulex  
Duration: 125 days  
Test: NOEC  
Result: 0,59 mg/L

Product/substance naphthalene  
Species: Fish, Oncorhynchus gorboscha  
Duration: 40 days  
Test: NOEC  
Result: 0,12 mg/L

Product/substance mesitylene;1,3,5-trimethylbenzene  
Species: Algae, Desmodesmus subspicatus  
Duration: 48 hours  
Test: EL50  
Result: 53 mg/L

Product/substance mesitylene;1,3,5-trimethylbenzene  
Species: Daphnia, Daphnia magna  
Duration: 48 hours  
Test: LL50  
Result: 6 mg/L

Product/substance mesitylene;1,3,5-trimethylbenzene  
Species: Fish, Carassius auratus  
Duration: 96 hours  
Test: LL50  
Result: 12,52 mg/L

Product/substance mesitylene;1,3,5-trimethylbenzene  
Species: Algae, Desmodesmus subspicatus  
Duration: 48 hours  
Test: EL10  
Result: 16 mg/L

Product/substance mesitylene;1,3,5-trimethylbenzene  
Species: Daphnia, Daphnia magna  
Duration: 21 days  
Test: NOEC  
Result: 0,4 mg/L

Product/substance Diethylbenzene  
Species: Algae, Pseudokirchneriella subcapitata  
Duration: 72 hours  
Test: EC50

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Result:	1,21 mg/L
Product/substance	Diethylbenzene
Species:	Daphnia, Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	2,01 mg/L
Product/substance	Diethylbenzene
Species:	Fish, Oncorhynchus mykiss
Duration:	96 hours
Test:	LC50
Result:	0,673 mg/L
Product/substance	Diethylbenzene
Species:	Bacteria
Duration:	3 hours
Test:	NOEC
Result:	>1000 mg/L
Product/substance	Diethylbenzene
Species:	Algae, Pseudokirchneriella subcapitata
Duration:	72 hours
Test:	NOEC
Result:	0,547 mg/L
Product/substance	propylbenzene;cumene
Species:	Algae, Desmodesmus subspicatus
Duration:	72 hours
Test:	EC50
Result:	2,01 mg/L
Product/substance	propylbenzene;cumene
Species:	Daphnia, Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	2,14 mg/L
Product/substance	propylbenzene;cumene
Species:	Bacteria
Duration:	3 hours
Test:	EL50
Result:	>2000 mg/L
Product/substance	propylbenzene;cumene
Species:	Algae, Desmodesmus subspicatus
Duration:	72 hours
Test:	EC10
Result:	1,35 mg/L
Product/substance	propylbenzene;cumene
Species:	Daphnia, Daphnia magna
Duration:	21 days
Test:	NOEC
Result:	0,35 mg/L
Product/substance	propylbenzene;cumene
Species:	Fish, Danio rerio
Duration:	28 days
Test:	NOEC
Result:	0,38 mg/L
Product/substance	propylbenzene;cumene

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Species: Fish, Pimephales promelas  
 Duration: 28 days  
 Test: NOEC  
 Result: 0,38 mg/L

### 12.2. ▼ Persistence and degradability

Product/substance Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics  
 Biodegradable: Yes  
 Test method: OECD 301 F  
 Result: >60%

Product/substance Polyolefin alkyl phenol alkyl amine  
 Biodegradable: No  
 Test method: OECD 301 D  
 Result: 4 % - Not readily - 28 days

Product/substance naphthalene  
 Biodegradable: No  
 Test method:  
 Result: 0 to 2 % - Not readily - 28 days

Product/substance mesitylene;1,3,5-trimethylbenzene  
 Biodegradable: No  
 Test method:  
 Result: 42% 28 days

Product/substance Diethylbenzene  
 Biodegradable: No  
 Test method: OECD 301 B  
 Result: 4.7 % - 28 days

Product/substance propylbenzene;cumene  
 Biodegradable: No  
 Test method:  
 Result: 70% 28 days

### 12.3. ▼ Bioaccumulative potential

Product/substance Hydrocarbons, C10, aromatics, > 1% naphthalene  
 Test method:  
 Potential bioaccumulation: Yes  
 LogPow: 2,8-6,5  
 BCF: 99-5780  
 Other information:

Product/substance 1,2,4-trimethylbenzene  
 Test method:  
 Potential bioaccumulation: No data available.  
 LogPow: 3,63  
 BCF: 243  
 Other information:

Product/substance naphthalene  
 Test method:  
 Potential bioaccumulation: No data available.  
 LogPow: 36.5-168  
 BCF: 3,4  
 Other information:

Product/substance mesitylene;1,3,5-trimethylbenzene  
 Test method:  
 Potential bioaccumulation: No data available.  
 LogPow: 3,42  
 BCF: 161  
 Other information:



According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Product/substance Diethylbenzene  
 Test method:  
 Potential bioaccumulation: No data available.  
 LogPow: No data available.  
 BCF: 320-629  
 Other information:

Product/substance propylbenzene;cumene  
 Test method:  
 Potential bioaccumulation: No data available.  
 LogPow: 3,55  
 BCF: 35,48  
 Other information:

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

**12.6. ▼ Endocrine disrupting properties**

Not applicable.

**12.7. Other adverse effects**

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

Product is not covered by regulations on dangerous waste.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

**EWC code**

13 07 03\* Other fuels (including mixtures)

**Contaminated packing**

Packaging containing residues of the product must be disposed of similarly to the product.

**SECTION 14: Transport information**

	<b>14.1</b>	<b>14.2</b>	<b>14.3</b>	<b>14.4</b>	<b>14.5</b>	<b>Other</b>
	<b>UN / ID</b>	<b>UN proper shipping name</b>	<b>Hazard class(es)</b>	<b>PG*</b>	<b>Env**</b>	<b>information:</b>
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

\* Packing group

\*\* Environmental hazards

**Additional information**

Not dangerous goods according to ADR, IATA and IMDG.

**14.6. Special precautions for user**

Not applicable.

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

No data available.

**SECTION 15: Regulatory information**

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

**Restrictions for application**

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

precautions or design of the workplace needed to eliminate exposure, must be considered.

#### Demands for specific education

No specific requirements.

#### SEVESO - Categories / dangerous substances

Not applicable.

#### Additional information

Tactile warning.

If this product is sold in retail, it must be delivered with child-resistant fastening.

#### Sources

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

#### 15.2. Chemical safety assessment

No

### SECTION 16: Other information

#### Full text of H-phrases as mentioned in section 3

H302, Harmful if swallowed.

H314, Causes skin irritation.

H315, Causes skin irritation.

H317, Causes allergic skin reaction.

H318, Causes serious eye irritation.

H319, Causes serious eye irritation.

H332, Harmful if inhaled.

H334, Causes respiratory irritation.

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.

#### The full text of identified uses as mentioned in section 1

= Additives to petrol or diesel fuel

#### Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CE = Conformité Européenne (European conformity)

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

CSA = Chemical Safety Assessment

CSR = Chemical Safety Report

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EINECS = European Inventory of Existing Commercial chemical Substances

ES = Exposure Scenario

EUH statement = CLP-specific Hazard statement

EWC = European Waste Catalogue

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IARC = International Agency for Research on Cancer (IARC)

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

OECD = Organisation for Economic Co-operation and Development  
PBT = Persistent, Bioaccumulative and Toxic  
PNEC = Predicted No Effect Concentration  
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
RRN = REACH Registration Number  
SCL = A specific concentration limit  
SVHC = Substances of Very High Concern  
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure  
STOT-SE = Specific Target Organ Toxicity - Single Exposure  
TWA = Time weighted average  
UN = United Nations  
UVBC = Unknown or variable composition, complex reaction products or of biological materials  
VOC = Volatile Organic Compound  
vPvB = Very Persistent and Very Bioaccumulative

#### Additional information

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

The classification of the substance/mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

#### ▼ The safety data sheet is validated by

Product Safety Department

#### Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: GB-en