SAFETY DATA SHEET

JLM Petrol Extreme Clean

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

1.1. Product identifier

Trade name

JLM Petrol Extreme Clean

Product no.

J03155

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 B.V.
Schiphol Boulevard 127
1118 BG Schiphol
Netherlands
+31 (0)20 201 4995
www.jlmlubricants.com

Contact person

Product Safety Department

E-mail

info@jlmlubricants.com

Revision

21/12/2022

SDS Version

1.0

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.

2.2. Label elements

Hazard pictogram(s)

Signal word

Danger

Hazard statement(s)

May be fatal if swallowed and enters airways. (H304)

Safety statement(s)

General

Keep out of reach of children. (P102)

Prevention

-

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-C13, aromatics, >1% naphthalene

Additional labelling

EUH066, Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

Additional warnings

This product contains a vPvB and/or PBT substance:
Hydrocarbons, C10-C13, aromatics, >1% naphthalene (PBT)
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.:	80-100%	EUH066 Asp. Tox. 1, H304	
Polyolefin alkyl phenol alkyl amine	CAS No.: EC No.: UK-REACH: Index No.:	1-3%	Skin Irrit. 2, H315	
Hydrocarbons, C10-C13, aromatics, >1% naphthalene	CAS No.: EC No.: 926-273-4 UK-REACH: Index No.:	<1%	EUH066 Asp. Tox. 1, H304 Carc. 2, H351 Aquatic Chronic 2, H411	
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]
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]
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C16-18(even	CAS No.: EC No.: 947-523-9 UK-REACH:	<1%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Acute 1, H400 (M=1)	

numbered) and C18 unsaturated acyl) derivs., hydroxides, inner salts	Index No.:			
2-ethylhexan-1-ol	CAS No.: 104-76-7 EC No.: 203-234-3 UK-REACH: Index No.:	<0.1%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4, H332 STOT SE 3, H335	[1]
mesitylene;1,3,5-trimethylbenzene	CAS No.: 108-67-8 EC No.: 203-604-4 UK-REACH: Index No.: 601-025-00-5	<0.1%	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]
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.

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 / CO2)

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.

6.3. Methods and material for containment and cleaning up
Use sand, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials 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
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.

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
No specific requirements
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/m³): 1200

1,2,4-trimethylbenzene

naphthalene
2-ethylhexan-1-ol
Long term exposure limit (8 hours) (ppm): 1
Long term exposure limit (8 hours) (mg/m³): 5,4

mesitylene;1,3,5-trimethylbenzene
propylbenzene;cumene
Long term exposure limit (8 hours) (ppm): 25
Long term exposure limit (8 hours) (mg/m³): 125
Short term exposure limit (15 minutes) (ppm): 50
Short term exposure limit (15 minutes) (mg/m³): 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-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C16-18(even numbered) and C18 unsaturated acyl) derivs., hydroxides, inner salts

Duration	Route of exposure	DNEL
Long term – Systemic effects - Workers	Dermal	3 mg/kgbw/day
Long term – Systemic effects - Workers	Oral	10,6 mg/m³

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/m³
Long term – Local effects - Workers	Inhalation	100 mg/m³
Long term – Systemic effects - General population	Inhalation	29.4 mg/m³
Long term – Systemic effects - Workers	Inhalation	100 mg/m³
Short term – Local effects - General population	Inhalation	29.4 mg/m³
Short term – Local effects - Workers	Inhalation	100 mg/m³
Short term – Systemic effects - General population	Inhalation	29.4 mg/m³
Short term – Systemic effects - Workers	Inhalation	100 mg/m³
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/m³
Long term – Local effects - Workers	Inhalation	53.2 mg/m³
Long term – Systemic effects - General population	Inhalation	2.3 mg/m³
Long term – Systemic effects - Workers	Inhalation	12.8 mg/m³
Short term – Local effects - General population	Inhalation	26.6 mg/m³
Short term – Local effects - Workers	Inhalation	53.2 mg/m³
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/m³

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/m³
Long term – Systemic effects - Workers	Inhalation	100 mg/m³
Short term – Local effects - Workers	Inhalation	250 mg/m³
Long term – Systemic effects - General population	Oral	5 mg/kg bw/day

PNEC

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C16-18(even numbered) and C18 unsaturated acyl) derivs., hydroxides, inner salts

Route of exposure	Duration of Exposure	PNEC
Freshwater		0,406 µg/L
Marine water		40,6 ng/L

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.

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.

8.3. 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

Colourless

Odour / Odour threshold

Characteristic

pH

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

Density (g/cm³)

0.7955

Kinematic viscosity

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

Particle characteristics

Not applicable - product is a liquid

Phase changes

Melting point/Freezing point (°C)

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

Softening point/range (waxes and pastes) (°C)
Does not apply to liquids.
Boiling point (°C)
No data available
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
Auto-Ignition (°C)
No data available
Flammability (°C)
No data available
Lower and upper explosion limit (% v/v)
No data available
Solubility
Solubility in water
Testing not relevant or not possible due to the nature of the product.
n-octanol/water coefficient
Testing not relevant or not possible due to the nature of the product.
Solubility in fat (g/L)
Testing not relevant or not possible due to the nature of the product.
9.2. Other information
Evaporation rate (n-butylacetate = 100)
No data available
Other physical and chemical parameters
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
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/m³
Other information	

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
Other information	

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
Other information	

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

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

Product/substance	Hydrocarbons, C10-C13, aromatics, >1% naphthalene
Test method	OECD 403
Species	Rat
Route of exposure	Inhalation
Test	LC50 (dust)
Result	>4778 mg/m³
Other information	

Product/substance	Hydrocarbons, C10-C13, aromatics, >1% naphthalene
Test method	OECD 403
Species	Rat
Route of exposure	Inhalation
Test	LC50
Result	>4688 mg/m³
Other information	

Product/substance	Hydrocarbons, C10-C13, aromatics, >1% naphthalene
Test method	OECD 402
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	>2000 mg/kg
Other information	

Product/substance	Hydrocarbons, C10-C13, aromatics, >1% naphthalene
Test method	OECD 401
Species	Rat
Route of exposure	Oral
Test	LD50
Result	6318 mg/kg
Other information	

Product/substance	Hydrocarbons, C10-C13, aromatics, >1% naphthalene
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	7050 mg/kg
Other information	

Product/substance	1,2,4-trimethylbenzene
Test method	
Species	Rat
Route of exposure	Inhalation
Test	LC50
Result	10200 mg/m³
Other information	

Product/substance	1,2,4-trimethylbenzene
Test method	
Species	Rat
Route of exposure	Dermal
Test	LD50
Result	>3440 mg/kg
Other information	

Product/substance	naphthalene
Test method	OECD 403
Species	Rat
Route of exposure	Inhalation
Test	LC50
Result	>0,4 mg/L
Other information	

Product/substance	naphthalene
Test method	OECD 402
Species	Rat
Route of exposure	Dermal
Test	LD50
Result	>16000 mg/kg
Other information	

Product/substance	naphthalene
Test method	OECD 401
Species	Mouse
Route of exposure	Oral
Test	LD50
Result	533 mg/kg
Other information	

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C16-18(even numbered) and C18 unsaturated acyl) derivs., hydroxides, inner salts
Test method	
Species	Rat
Route of exposure	Dermal
Test	LD50
Result	>2000 mg/kg
Other information	

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C16-18(even numbered) and C18 unsaturated acyl) derivs., hydroxides, inner salts
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	>5000 mg/kg

Other information

Product/substance	mesitylene;1,3,5-trimethylbenzene
Test method	
Species	Rat
Route of exposure	
Test	LC50
Result	10,2 mg/L
Other information	

Product/substance	mesitylene;1,3,5-trimethylbenzene
Test method	
Species	Rat
Route of exposure	Dermal
Test	LD50
Result	>3440 mg/kg
Other information	

Product/substance	mesitylene;1,3,5-trimethylbenzene
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	>5000 mg/kg
Other information	

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

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

Skin corrosion/irritation

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

Product/substance	1,2,4-trimethylbenzene
Test method	
Species	Rabbit
Duration	
Result	Adverse effect observed (Irritating)
Other information	

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

Serious eye damage/irritation

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

Respiratory sensitisation

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

Skin sensitisation

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C16-18(even numbered) and C18 unsaturated acyl) derivs., hydroxides, inner salts
Test method	OECD 406
Species	Guinea pig
Result	No adverse effect observed (not sensitising)
Other information	

Germ cell mutagenicity

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C16-18(even numbered) and C18 unsaturated acyl) derivs., hydroxides, inner salts
Test method	OECD 471
Species	Bacteria
Conclusion	No adverse effect observed
Other information	

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C16-18(even numbered) and C18 unsaturated acyl) derivs., hydroxides, inner salts
Test method	OECD 476
Species	
Conclusion	No adverse effect observed
Other information	

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C16-18(even numbered) and C18 unsaturated acyl) derivs., hydroxides, inner salts
Test method	OECD 473
Species	
Conclusion	No adverse effect observed
Other information	

Carcinogenicity

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

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
Other information	

Reproductive toxicity

Product/substance	Polyolefin alkyl phenol alkyl amine
Test method	OECD 421
Species	Rat, female
Duration	

Test	
Result	
Conclusion	Adverse effect observed
Other information	

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
None known.

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
Test method	
Species	Daphnia, Daphnia magna
Compartment	
Duration	48 hours
Test	EL0
Result	1000 mg/L
Other information	

Product/substance	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics
Test method	
Species	Fish, Oncorhynchus mykiss
Compartment	
Duration	96 hours
Test	LL0
Result	1000 mg/L
Other information	

Product/substance	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics
Test method	
Species	Algae, Pseudokirchneriella subcapitata
Compartment	
Duration	72 hours
Test	EL0
Result	1000 mg/L
Other information	

Product/substance	Polyolefin alkyl phenol alkyl amine
Test method	
Species	Algae
Compartment	
Duration	96 hours
Test	EC50
Result	5,4 mg/L
Other information	

Product/substance	Polyolefin alkyl phenol alkyl amine
Test method	
Species	Algae
Compartment	
Duration	96 hours

Test	NOEC
Result	3,65 mg/L
Other information	

Product/substance	Polyolefin alkyl phenol alkyl amine
Test method	
Species	Daphnia, Daphnia magna
Compartment	
Duration	21 days
Test	NOEC
Result	3,38 mg/L
Other information	

Product/substance	Hydrocarbons, C10-C13, aromatics, >1% naphthalene
Test method	
Species	Algae, Pseudokirchneriella subcapitata
Compartment	
Duration	72 hours
Test	EL50
Result	>1 mg/L
Other information	

Product/substance	Hydrocarbons, C10-C13, aromatics, >1% naphthalene
Test method	
Species	Daphnia, Daphnia magna
Compartment	
Duration	48 hours
Test	EL50
Result	1,4 mg/L
Other information	

Product/substance	Hydrocarbons, C10-C13, aromatics, >1% naphthalene
Test method	
Species	Fish, Oncorhynchus mykiss
Compartment	
Duration	96 hours
Test	LL50
Result	2-5 mg/L
Other information	

Product/substance	Hydrocarbons, C10-C13, aromatics, >1% naphthalene
Test method	
Species	Daphnia, Daphnia magna
Compartment	
Duration	21 days
Test	NOELR
Result	0,48 mg/L
Other information	

Product/substance	Hydrocarbons, C10-C13, aromatics, >1% naphthalene
Test method	
Species	Algae, Pseudokirchneriella subcapitata
Compartment	
Duration	72 hours
Test	NOELR
Result	1 mg/L
Other information	

Product/substance	1,2,4-trimethylbenzene
Test method	
Species	Daphnia, Daphnia magna
Compartment	
Duration	48 hours
Test	LC50
Result	3,6 mg/L

Other information

Product/substance	1,2,4-trimethylbenzene
Test method	
Species	Fish, Pimephales promelas
Compartment	
Duration	96 hours
Test	LC50
Result	7,72 mg/L
Other information	

Product/substance	naphthalene
Test method	
Species	Algae, Pseudokirchneriella subcapitata
Compartment	
Duration	96 hours
Test	EC50
Result	2,96 mg/L
Other information	

Product/substance	naphthalene
Test method	
Species	Daphnia, Daphnia magna
Compartment	
Duration	48 hours
Test	EC50
Result	2,16 mg/L
Other information	

Product/substance	naphthalene
Test method	
Species	Fish, Oncorhynchus gorbuscha
Compartment	
Duration	96 hours
Test	LC50
Result	0,96 mg/L
Other information	

Product/substance	naphthalene
Test method	
Species	Daphnia, Daphnia pulex
Compartment	
Duration	125 days
Test	NOEC
Result	0,59 mg/L
Other information	

Product/substance	naphthalene
Test method	
Species	Fish, Oncorhynchus gorbuscha
Compartment	
Duration	40 days
Test	NOEC
Result	0,12 mg/L
Other information	

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C16-18(even numbered) and C18 unsaturated acyl) derivs., hydroxides, inner salts
Test method	
Species	Algae, Pseudokirchneriella subcapitata
Compartment	
Duration	72 hours
Test	EC50
Result	85,4 mg/L
Other information	

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C16-18(even numbered) and C18 unsaturated acyl) derivs., hydroxides, inner salts
Test method	
Species	Daphnia, Daphnia magna
Compartment	
Duration	48 hours
Test	EC50
Result	33,6 mg/L
Other information	

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C16-18(even numbered) and C18 unsaturated acyl) derivs., hydroxides, inner salts
Test method	
Species	Bacteria
Compartment	
Duration	3 hours
Test	EL50
Result	>100 mg/L
Other information	

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C16-18(even numbered) and C18 unsaturated acyl) derivs., hydroxides, inner salts
Test method	
Species	Fish, Oncorhynchus mykiss
Compartment	
Duration	96 hours
Test	LC50
Result	0,406 mg/L
Other information	

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C16-18(even numbered) and C18 unsaturated acyl) derivs., hydroxides, inner salts
Test method	
Species	Algae, Pseudokirchneriella subcapitata
Compartment	
Duration	72 hours
Test	NOEC
Result	42,9 mg/L
Other information	

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

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

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

Other information

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

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

Product/substance	propylbenzene;cumene
Test method	
Species	Algae, Desmodesmus subspicatus
Compartment	
Duration	72 hours
Test	EC50
Result	2,01 mg/L
Other information	

Product/substance	propylbenzene;cumene
Test method	
Species	Daphnia, Daphnia magna
Compartment	
Duration	48 hours
Test	EC50
Result	2,14 mg/L
Other information	

Product/substance	propylbenzene;cumene
Test method	
Species	Bacteria
Compartment	
Duration	3 hours
Test	EL50
Result	>2000 mg/L
Other information	

Product/substance	propylbenzene;cumene
Test method	
Species	Algae, Desmodesmus subspicatus
Compartment	
Duration	72 hours
Test	EC10
Result	1,35 mg/L
Other information	

Product/substance	propylbenzene;cumene
Test method	
Species	Daphnia, Daphnia magna
Compartment	
Duration	21 days
Test	NOEC
Result	0,35 mg/L
Other information	

Product/substance	propylbenzene;cumene
Test method	
Species	Fish, Danio rerio
Compartment	
Duration	28 days
Test	NOEC
Result	0,38 mg/L
Other information	

Product/substance	propylbenzene;cumene
Test method	
Species	Fish, Pimephales promelas
Compartment	
Duration	28 days
Test	NOEC
Result	0,38 mg/L
Other information	

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	Hydrocarbons, C10-C13, aromatics, >1% naphthalene
Biodegradable	Yes
Test method	OECD 301 F
Result	58,6% - 28 days

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

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C16-18(even numbered) and C18 unsaturated acyl) derivs., hydroxides, inner salts
Biodegradable	Yes
Test method	
Result	77% - readily - 29 days

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

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

12.3. Bioaccumulative potential

Product/substance	Hydrocarbons, C10-C13, 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	

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 product contains a vPvB and/or PBT substance:
Hydrocarbons, C10-C13, aromatics, >1% naphthalene (PBT)

12.6. Endocrine disrupting properties
None known.

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

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)

Specific labelling
Not applicable.

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

SECTION 14: Transport information

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information
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 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

EUH066, Repeated exposure may cause skin dryness or cracking.
H226, Flammable liquid and vapour.
H228, Flammable solid.
H302, Harmful if swallowed.
H304, May be fatal if swallowed and enters airways.
H315, Causes skin irritation.
H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H335, May cause respiratory irritation.
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.

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
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)
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 safety data sheet is validated by

JLM Lubricants B.V.

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