

SAFETY DATA SHEET

JLM Diesel Turbo Cleaner 500ml

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

1.1. Product identifier

Trade name

JLM Diesel Turbo Cleaner 500ml

Product no.

J02380

▼ Unique formula identifier (UFI)

SCK6-605Y-100V-18D5

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

Relevant identified uses of the substance or mixture

Industrial purposes

▼ Uses advised against

No special.

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

09/09/2022

SDS Version

2.0

Date of previous version

14/07/2022 (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.

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

2.2. Label elements

Hazard pictogram(s)



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

Signal word

Danger

Hazard statement(s)

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

Harmful to aquatic life with long lasting effects. (H412)

Safety 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

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Disposal

Dispose of contents/container to an approved waste disposal plant. (P501)

Hazardous substances

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

▼ Additional labelling

EUH066, Repeated exposure may cause skin dryness or cracking.

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

3.2. 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	
2-ethylhexyl nitrate	CAS No.: 27247-96-7 EC No.: 248-363-6 UK-REACH: Index No.:	5-10%	EUH044 EUH066 Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332 Aquatic Chronic 2, H411	
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]

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

2-ethylhexanoic acid	CAS No.: 149-57-5 EC No.: 205-743-6 UK-REACH: Index No.: 607-230-00-6	<1%	Repr. 2, H361	
naphthalene	CAS No.: 91-20-3 EC No.: 202-049-5 UK-REACH: Index No.: 601-052-00-2	<0.01%	Flam. Sol. 2, H228 Acute Tox. 4, H302 Carc. 2, H351 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	[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:

Nitrogen oxides (NO_x)

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. In the event of leakage to the surroundings, contact local environmental authorities.

▼ 6.3. Methods and material for containment and cleaning up

Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste.

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

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.

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

Store out of direct sunlight.

Dry, cool and well ventilated

Incompatible materials

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

7.3. Specific end use(s)

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

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

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

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

2-ethylhexanoic acid

Duration	Route of exposure	DNEL
Long term – Systemic effects - General population	Dermal	1 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	2 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	3.5 mg/m ³
Long term – Systemic effects - Workers	Inhalation	14 mg/m ³
Long term – Systemic effects - General population	Oral	1 mg/kg bw/day

2-ethylhexyl nitrate

Duration	Route of exposure	DNEL
Long term – Local effects - General population	Dermal	22 µg/cm ²
Long term – Local effects - Workers	Dermal	44 µg/cm ²
Long term – Systemic effects - General population	Dermal	520 µg/kgbw/day
Long term – Systemic effects - Workers	Dermal	1 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	87 µg/m ³
Long term – Systemic effects - Workers	Inhalation	350 µg/m ³
Long term – Systemic effects - General population	Oral	25 µg/kgbw/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 ³

PNEC

2-ethylhexanoic acid

Route of exposure	Duration of Exposure	PNEC
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According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Freshwater		398 µg/L
Freshwater sediment		4.74 mg/kg
Intermittent release (freshwater)		1 mg/L
Marine water		39.8 µg/L
Marine water sediment		474 µg/kg
Sewage treatment plant		71.7 mg/L
Soil		712 µg/kg
2-ethylhexyl nitrate		
Route of exposure	Duration of Exposure	PNEC
Freshwater		800 ng/L
Freshwater sediment		740 ng/kg
Marine water		80 ng/L
Marine water sediment		740 ng/kg
Sewage treatment plant		10 mg/L
Soil		191 ng/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 emergency eyewash and -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

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

Type	Class	Colour	Standards
Respiratory protection is not needed in the event of adequate ventilation			


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

Amber

Odour / Odour threshold

Characteristic

pH

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

Density (g/cm³)

0.8049

Kinematic viscosity

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)

160-245

Vapour pressure

<0.1 kPa (20 °C)

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

▼ **Relative vapour density**

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

Decomposition temperature (°C)

No data available

Data on fire and explosion hazards

Flash point (°C)

>62

Ignition (°C)

>200

Auto flammability (°C)

No data available

Lower and upper explosion limit (% v/v)

0.6 - 7

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)

0.04

▼ **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**

No special.

▼ **10.4. Conditions to avoid**

No special.

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/m ³
Other information	

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

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 2-ethylhexanoic acid
 Test method
 Species Rabbit
 Route of exposure Dermal
 Test LD50
 Result >2000 mg/kg
 Other information

Product/substance 2-ethylhexanoic acid
 Test method
 Species Rat
 Route of exposure Oral
 Test LD50
 Result 3640 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	

Skin corrosion/irritation

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

Serious eye damage/irritation

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

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

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

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	

Reproductive toxicity

Product/substance	2-ethylhexanoic acid
Test method	
Species	Rat, male/female
Duration	
Test	
Result	600 mg/kg
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

No special.

▼ Endocrine disrupting properties

No special.

Other information

naphthalene 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	2-ethylhexanoic acid
Test method	
Species	Daphnia, Daphnia magna
Compartment	
Duration	48 hours
Test	EC50
Result	85,4 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	

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

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	

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	2-ethylhexanoic acid
Biodegradable	Yes
Test method	OECD 301 D
Result	76% readily 10 days

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

▼ 12.3. Bioaccumulative potential

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

Product/substance 2-ethylhexanoic acid
 Test method
 Potential bioaccumulation No data available.
 LogPow 2,7
 BCF No data available.
 Other information

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

No special.

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 covered by the regulations on hazardous waste.

HP 14 – Ecotoxic

Dispose of contents/container to an approved waste disposal plant.

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

EWC code

13 07 Wastes of liquid fuels

▼ 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

No special.

▼ Demands for specific education

No specific requirements.

▼ SEVESO - Categories / dangerous substances

Not applicable.

Additional information

Tactile warning.

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

EUH044, Risk of explosion if heated under confinement.

EUH066, Repeated exposure may cause skin dryness or cracking.

H228, Flammable solid.

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.

H351, Suspected of causing cancer.

H361, Suspected of damaging fertility or the unborn child.

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.

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]

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

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 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

TecLub

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