SAFETY DATA SHEET

Octane Booster

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Trade name: Octane Booster

Product no.: 907014

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

Relevant identified uses of the substance or mixture: None known.

Uses advised against : None known.

1.3. Details of the supplier of the safety data sheet

Company and address:

Rymax Lubricants
Delweg 8
6902 PJ Zevenaar
The Netherlands
+31 (0) 316 740 856
www.rymax-lubricants.com

Contact person: Product Safety Department

E-mail: info@rymax-lubricants.com

Revision: 20/07/2023

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

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

2.1. Classification of the substance or mixture

Asp. Tox. 1; H304, May be fatal if swallowed and enters airways.
Acute Tox. 4; H332, Harmful if inhaled.
STOT RE 2; H373, May cause damage to organs through prolonged or repeated exposure.
Aquatic Chronic 3; H412, Harmful to aquatic life with long lasting effects.

2.2. Label elements

Hazard pictogram(s):

Signal word: Danger

Hazard statement(s): May be fatal if swallowed and enters airways. (H304)
Harmful if inhaled. (H332)

	May cause damage to organs through prolonged or repeated exposure. (H373) Harmful to aquatic life with long lasting effects. (H412)
Precautionary statement(s):	
General:	Keep out of reach of children. (P102)
Prevention:	Do not breathe vapour/mist. (P260) Use only outdoors or in a well-ventilated area. (P271)
Response:	IF SWALLOWED: Immediately call a POISON CENTER/doctor. (P301+P310) Get medical advice/attention if you feel unwell. (P314)
Storage:	-
Disposal:	Dispose of contents/container in accordance with local regulation (P501)
Hazardous substances:	Hydrocarbons, C11-C13, isoalkanes, <2% aromatics 2-ethylhexan-1-ol Tricarbonyl(methylcyclopentadienyl)manganese Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified;
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

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	CAS No.: 246538-78-3 EC No.: 920-901-0 UK-REACH: Index No.: 920-901-0	80-95%	EUH066 Asp. Tox. 1, H304	
2-ethylhexan-1-ol	CAS No.: 104-76-7 EC No.: 203-234-3 UK-REACH:	5-10%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4, H332	[1]

	Index No.:		STOT SE 3, H335	
Tricarbonyl(methylcyclopentadienyl)manganese	CAS No.: 12108-13-3 EC No.: 235-166-5 UK-REACH: Index No.:	1-3%	Acute Tox. 3, H301 (ATE: 58.00 mg/kg) Acute Tox. 2, H310 (ATE: 196.70 mg/kg) Skin Irrit. 2, H315 Acute Tox. 1, H330 (ATE: 0.247 mg/L) STOT RE 1, H372 (Lung) (Inhalation) Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	
Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified;	CAS No.: 64742-94-5 EC No.: 265-198-5 UK-REACH: Index No.: 649-424-00-3	1-3%	Asp. Tox. 1, H304 STOT SE 3, H336 Aquatic Chronic 2, H411	
naphthalene	CAS No.: 91-20-3 EC No.: 202-049-5 UK-REACH: Index No.: 601-052-00-2	<0.25%	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 injured person into fresh air. Make sure the injured person is continuously monitored. Prevent shock by keeping the injured person warm and calm. If breathing ceases, give mouth-to-mouth resuscitation. If unconscious, roll the injured person into recovery position. Call an ambulance.

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:	If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. 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.
Avoid inhalation of vapours from spilled material.

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.
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.

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

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

Tricarbonyl(methylcyclopentadienyl)manganese
Long term exposure limit (8 hours) (mg/m³): 0,2 (inhalable fraction as Mn) / 0,05 (respirable fraction as Mn)

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-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

Tricarbonyl(methylcyclopentadienyl)manganese

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	62 µg/kgbw/day
Long term – Systemic effects - Workers	Dermal	110 µg/kgbw/day
Long term – Systemic effects - General population	Inhalation	110 µg/m³
Long term – Systemic effects - Workers	Inhalation	600 µg/m³

PNEC

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

Tricarbonyl(methylcyclopentadienyl)manganese

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		210 ng/L
Intermittent release (freshwater)		2.1 µg/L
Marine water		21 ng/L
Soil		16 µg/kg

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. Apply standard precautions during use of the product. Avoid inhalation of vapours.

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	
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):	0.7994
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
Vapour pressure:	Testing not relevant or not possible due to the nature of the product.
Relative vapour density:	No data available
Decomposition temperature (°C):	No data available

Data on fire and explosion hazards

Flash point (°C):	62
Flammability (°C):	No data available
Auto-ignition temperature (°C):	No data available
Lower and upper explosion limit (% v/v):	0.6 - 7

Solubility

Solubility in water:	Insoluble
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

Oxidizing properties:	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
None known.

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 as retained and amended in UK law

Acute toxicity

Product/substance	Tricarbonyl(methylcyclopentadienyl)manganese
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	-,247 mg/L

Product/substance	Tricarbonyl(methylcyclopentadienyl)manganese
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	196,7 mg/kg

Product/substance	Tricarbonyl(methylcyclopentadienyl)manganese
Test method:	OECD 423
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	58 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

Harmful if inhaled.

Skin corrosion/irritation

Product/substance	Tricarbonyl(methylcyclopentadienyl)manganese
Test method:	OECD 404
Species:	Rabbit
Duration:	
Result:	Adverse effect observed (Moderately irritating)

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

Reproductive toxicity

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

STOT-single exposure

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

STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure.

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.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	Tricarbonyl(methylcyclopentadienyl)manganese
Test method:	OECD 201
Species:	Algae
Duration:	48 hours
Test:	EC50
Result:	1,7 mg/L

Product/substance	Tricarbonyl(methylcyclopentadienyl)manganese
Test method:	OECD 201
Species:	Algae
Duration:	48 hours
Test:	EC50
Result:	0,41 mg/L

Product/substance	Tricarbonyl(methylcyclopentadienyl)manganese
Species:	Daphnia, Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	0,83 mg/L

Product/substance	Tricarbonyl(methylcyclopentadienyl)manganese
Test method:	OECD 203
Species:	Fish, Cyprinus carpio
Duration:	96 hours
Test:	LC50
Result:	0,21 mg/L

Product/substance	naphthalene
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 gorbuscha
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 gorbuscha

Duration:	40 days
Test:	NOEC
Result:	0,12 mg/L

12.2. Persistence and degradability

Product/substance	Tricarbonyl(methylcyclopentadienyl)manganese
Biodegradable:	No
Test method:	
Result:	4% - 56 days

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

12.3. Bioaccumulative potential

Product/substance	Tricarbonyl(methylcyclopentadienyl)manganese
Test method:	
Potential bioaccumulation:	No data available.
LogPow:	3,7
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

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

Waste treatment methods

Product is covered by the regulations on hazardous waste.
HP 5 - Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP 6 - Acute toxicity
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 03* Other fuels (including mixtures)

Specific labelling

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:	People under the age of 18 shall not be exposed to this product. 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:	The Management of Health and Safety at Work Regulations 1999. The Health and Safety at Work etc. Act 1974 Regulations 2013. 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.
H228, Flammable solid.
H301, Toxic if swallowed.
H302, Harmful if swallowed.
H304, May be fatal if swallowed and enters airways.
H310, Fatal in contact with skin.
H315, Causes skin irritation.
H319, Causes serious eye irritation.
H330, Fatal if inhaled.
H332, Harmful if inhaled.
H335, May cause respiratory irritation.
H336, May cause drowsiness or dizziness.
H351, Suspected of causing cancer.
H372, Causes damage to organs through prolonged or repeated exposure. (Lung) (Inhalation)
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 (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)
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