SAFETY DATA SHEET

5in1 Diesel Detox Pro

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

1.1. Product identifier

Trade name

5in1 Diesel Detox Pro

Product no.

687006

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

None known.

1.3. Details of the supplier of the safety data sheet

Company and address

Maumo International BV
P.O. Box 441
2990 AK Barendrecht
Nederland
+31 (0)180 699234
+31 (0)180 699235
www.maumo.nl

Contact person

Product Safety Department

E-mail

info@maumo.nl

Revision

13/10/2022

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.
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 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

-

Disposal

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

Hazardous substances

Hydrocarbons, C10-C13, n-alkanes, <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, <2% aromatics	CAS No.: EC No.: 929-018-5 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.:	3-5%	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]
1,1'-Bis-(ferrocenyl)octane	CAS No.: EC No.: 479-710-1 UK-REACH: Index No.:	<1%	Repr. 1B, H360FD STOT RE 2, H373 Aquatic Chronic 4, H413	
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	<0.05%	Asp. Tox. 1, H304	
naphthalene	CAS No.: 91-20-3 EC No.: 202-049-5 UK-REACH: Index No.: 601-052-00-2	<0.0015%	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)

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
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

2-ethylhexyl nitrate

Duration	Route of exposure	DNEL
Long term – Local effects - General population	Dermal	22 µg/cm²

Long term – Local effects - Workers	Dermal	44 µg/cm²
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/m³
Long term – Systemic effects - Workers	Inhalation	350 µg/m³
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/m³

Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified

Duration	Route of exposure	DNEL
Long term – Systemic effects - General population	Dermal	7,5 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	12,5 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	32 mg/m³
Long term – Systemic effects - Workers	Inhalation	151 mg/m³
Long term – Systemic effects - General population	Oral	7,5 mg/kg bw/day

PNEC

1,1'-Bis-(ferrocenyl)octane

Route of exposure	Duration of Exposure	PNEC
Sewage treatment plant		>9,9 mg/L

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

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.

8.3. 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)
0.8
Relative density
0.8
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)
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
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

Acute toxicity

Product/substance	1,1'-Bis-(ferrocenyl)octane
Test method	OECD 402
Species	Rat, male/female
Route of exposure	Dermal
Test	LD50
Result	>2000 mg/kg
Other information	

Product/substance	1,1'-Bis-(ferrocenyl)octane
Test method	OECD 423
Species	Rat, male/female
Route of exposure	Oral
Test	LD50
Result	>2000 mg/kg
Other information	

Product/substance	Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified
Test method	
Species	Rat
Route of exposure	Inhalation
Test	LC50
Result	590 mg/m³
Other information	

Product/substance	Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	>2 ml/kg
Other information	

Product/substance	Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	
Result	2000 mg/kg
Other information	

Product/substance	Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified
Test method	
Species	Rat
Route of exposure	Oral
Test	LD lo
Result	5 ml/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

Product/substance	Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified
Test method	
Species	Rabbit
Duration	
Result	Adverse effect observed (Moderately irritating)
Other information	

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

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

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.

SECTION 12: Ecological information

12.1. Toxicity

Product/substance	1,1'-Bis-(ferrocenyl)octane
Test method	OECD 209
Species	Bacteria
Compartment	Activated Sludge Plant

Duration	3 hours
Test	EC50
Result	>1000 mg/L
Other information	

Product/substance	1,1'-Bis-(ferrocenyl)octane
Test method	OECD 201
Species	Algae
Compartment	
Duration	72 hours
Test	NOEC
Result	>0,36 mg/L
Other information	

Product/substance	1,1'-Bis-(ferrocenyl)octane
Test method	OECD 202
Species	Daphnia, Daphnia magna
Compartment	
Duration	48 hours
Test	NOEC
Result	>0,36 mg/L
Other information	

Product/substance	1,1'-Bis-(ferrocenyl)octane
Test method	OECD 203
Species	Fish
Compartment	
Duration	96 hours
Test	NOEC
Result	>0,5 mg/L
Other information	

Product/substance	Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified
Test method	
Species	Algae
Compartment	
Duration	72 hours
Test	EC50
Result	1-3 mg/L
Other information	

Product/substance	Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified
Test method	
Species	Daphnia magna
Compartment	
Duration	48 hours
Test	EC50
Result	3-10 mg/L
Other information	

Product/substance	Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	2-5 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	

12.2. Persistence and degradability

Product/substance	1,1'-Bis-(ferrocenyl)octane
Biodegradable	No
Test method	OECD 301 D
Result	3% - 28 days

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

12.3. Bioaccumulative potential

Product/substance	1,1'-Bis-(ferrocenyl)octane
Test method	
Potential bioaccumulation	Yes
LogPow	4,6
BCF	No data available.
Other information	

Product/substance	Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified
Test method	
Potential bioaccumulation	Yes
LogPow	2,8-6,5
BCF	<100
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
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 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 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
None known.
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

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.
H360FD, May damage fertility. May damage the unborn child.
H373, May cause damage to organs through prolonged or repeated exposure.
H400, Very toxic to aquatic life.
H410, Very toxic to aquatic life with long lasting effects.
H411, Toxic to aquatic life with long lasting effects.
H413, May cause long lasting harmful effects to aquatic life.

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 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

maumo

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