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

1.1. Product identifier

Mixture identification:

Trade name: SOCOPAC 50S AEROSOL

Trade code: P19191EU

UFI: 51FG-09EM-7S1P-624K

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

Recommended use: Paint/Coating; Industrial uses

Uses advised against: No uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Company: Manufacturers:

Socomore SASU - Zone Industrielle du Prat - CS 23707 - 56037 VANNES CEDEX - France

-Tel. +33 (0)2 97 43 76 90

Manufacturing - Parc Gohelis - 56250 ELVEN France - Tel +33 (0)2 97 43 76 83 - Fax +33 (0)2 97 54 50 26

Socomore Ireland Ltd. - Meenane, Watergrasshill, Co. Cork, Ireland - Tel +353 21 4889922 / Fax +353 21 4889923 / ireland@socomore.com

Distributors:

Socomore SASU - Zone Industrielle du Prat - CS 23707 - 56037 VANNES CEDEX - France

-Tel. +33 (0)2 97 43 76 90

Manufacturing - Parc Gohelis - 56250 ELVEN France - Tel +33 (0)2 97 43 76 83 - Fax +33 (0)2 97 54 50 26

Socomore Ireland Ltd. - Meenane, Watergrasshill, Co. Cork, Ireland - Tel +353 21 4889922 / Fax +353 21 4889923 / ireland@socomore.com

Responsable: msdsinformation-eu@socomore.com

1.4. Emergency telephone number

France : ORFILA (INRS) +33 (0)1 45 42 59 59
International : VelocityEHS +1-813-248-0585.
Ireland: Emergency medical information: (7 days) contact National Poisons Information Centre, Beaumont Hospital, Dublin 9 DOV2NO, Ireland. / Healthcare professional tel. Number (24hrs): +353 (0)1 809 2566
Malta: Tel. 112 (available 24/7) and 1774 (08:00-20:00 everyday)
Iceland: Eitrunarmiðstöð: Hafðu samband: Phone 543 2222

SECTION 2: Hazards identification



2.1. Classification of the substance or mixture

Regulation (EC) n. 1272/2008 (CLP)

Aerosols 1	Extremely flammable aerosol. Pressurized container: may burst if heated.
STOT SE 3	May cause drowsiness or dizziness.
STOT RE 2	May cause damage to organs through prolonged or repeated exposure.
Asp. Tox. 1	May be fatal if swallowed and enters airways.
Aquatic Chronic 3	Harmful to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Regulation (EC) No 1272/2008 (CLP):

Statements regarding the aspiration toxicity classification were not included in the label elements, based on Annex I - section 1.3.3. of CLP Regulation.

Hazard pictograms and Signal Word



Danger

Hazard statements

H222, H229	Extremely flammable aerosol. Pressurized container: may burst if heated.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.

Special Provisions:

EUH208	Contains BENZENESULFONIC ACID, DI-C10-14-ALKYL DERIVS, CALCIUM SALTS. May produce an allergic reaction.
EUH208	Contains COBALT BIS(2-ETHYLHEXANOATE). May produce an allergic reaction.
EUH208	Contains Reaction products between 1H-Benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-6-méthyl-, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4-methyl-, 2H-Benzotriazole-2- methanamine, N,N-bis(2-ethylhexyl)-5-methyl-, N,N-Bis(2-ethylhexyl)-4-methyl-1H-benzotriazole-1- methylamine and N,N-Bis(2-ethylhexyl)-5-methyl-1H-benzotriazole-1-methylamine. May produce an allergic reaction.
EUH066	Repeated exposure may cause skin dryness or cracking.

Contains

HYDROCARBONS, C9-C12, N-ALKANES, ISOALKANES, AROMATICS (2-25%)

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS

Special provisions according to Annex XVII of REACH and subsequent amendments:

None.

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration >= 0.1%.

Other Hazards: No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Mixture identification: SOCOPAC 50S AEROSOL

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Numb.	Classification	Registration Number
≥ 30 - < 40 %	HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS	EC:919-857-5	Flam. Liq. 3, H226; Asp. Tox. 1, H304; STOT SE 3, H336, EUH066	01-2119463258-33-XXXX
≥ 25 - < 30 %	HFO-1234ZE	CAS:29118-24-9 EC:471-480-0	Press Gas (Comp.), H280	01-0000019758-54-XXXX

≥ 3 - < 5 %	HYDROCARBONS, C9-C12, N-ALKANES, ISOALKANES, AROMATICS (2-25%)	EC:919-446-0	Flam. Liq. 3, H226; STOT RE 1, H372; Asp. Tox. 1, H304; STOT SE 3, H336; Aquatic Chronic 2, H411, EUH066, DECLP(*)	01-2119458049-33-XXXX
≥ 0.5 - < 1 %	CO2	CAS:124-38-9 EC:204-696-9	Press Gas (Comp.), H280	
≥ 0.5 - < 1 %	(2-Methoxymethylethoxy)-propanol	CAS:34590-94-8 EC:252-104-2 Index: 603_998_97_1	Substance with a Union workplace exposure limit. Acute Toxicity Estimate: ATE - Oral: 5001 mg/kg bw ATE - Dermal: 9510 mg/kg bw ATE - Inhalation (Vapours): 3.35 mg/l	01-2119450011-60-xxxx
≥ 0.5 - < 1 %	BENZENESULFONIC ACID, DI-C10-14-ALKYL DERIVS, CALCIUM SALTS	EC:939-603-7	Skin Sens. 1B, H317 Specific Concentration Limits: C ≥ 10%: Skin Sens. 1B H317	01-2119978241-36-xxxx
≥ 0.3 - < 0.5 %	reaction mass of ethylbenzene and xylene	CAS:1330-20-7 EC:905-588-0	Flam. Liq. 3, H226; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335; STOT RE 2, H373; Asp. Tox. 1, H304 Acute Toxicity Estimate: ATE - Dermal: 1100 mg/kg bw ATE - Inhalation (Vapours): 11 mg/l	01-2119488216-32-XXXX
≥ 0.1 - < 0.25 %	Reaction products between 1H-Benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-6-méthyl-, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4-methyl-, 2H-Benzotriazole-2- methanamine, N,N-bis(2-ethylhexyl)-5-methyl-, N,N-Bis(2-ethylhexyl)-4-methyl-1H-benzotriazole-1- methylamine and N,N-Bis(2-ethylhexyl)-5-methyl-1H-benzotriazole-1-methylamine	EC:939-700-4	Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Acute 1, H400; Aquatic Chronic 2, H411, M-Acute:1	01-2119982395-25-xxxx
≥ 0.1 - < 0.25 %	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics (benzene content < 0.1% w/w)	EC:918-481-9	Asp. Tox. 1, H304, EUH066, DECLP(*)	01-2119457273-39-xxxx
≥ 0.1 - < 0.25 %	2-ETHYLHEXANOIC ACID, ZIRCONIIUM SALT	CAS:22464-99-9 EC:245-018-1	Repr. 1B, H360D	01-2119979088-21-xxxx
≥0.001- < 0.1 %	COBALT BIS(2-ETHYLHEXANOATE)	CAS:136-52-7 EC:205-250-6	Eye Irrit. 2, H319; Skin Sens. 1A, H317; Repr. 1B, H360D; Aquatic Acute 1, H400; Aquatic Chronic 3, H412	01-2119524678-29-xxxx
≥0.001- < 0.1 %	Xylene	CAS:1330-20-7 EC:215-535-7	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335; STOT RE 2, H373; Aquatic Chronic 3, H412 Acute Toxicity Estimate: ATE - Dermal: 1100 mg/kg bw ATE - Inhalation (Gas): 5000 ppmV	01-2119488216-32-XXXX

(*)DECLP Substance classified in accordance with Note P, Annex VI of EC Regulation (EC) 1272/2008.

The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (Einecs No 200-753-7). When the substance is not classified as a carcinogen at least the precautionary statements (P102-)P260-P262-P301 + P310-P331 shall apply. This note applies only to

certain complex oil-derived substances in Part 3.

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Remove contaminated clothing immediatley and dispose off safely.

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediatley and dispose off safely.

In case of eyes contact:

Wash immediately with water.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and label hazardous.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

N.A.

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

In case of severe skin irritation:

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

CO_2 or Dry chemical fire extinguisher.

Extinguishing media which must not be used for safety reasons:

High power water jet

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non emergency personnel:

Wear personal protection equipment.

Remove all sources of ignition.

Remove persons to safety.

See protective measures under point 7 and 8.

For emergency responders:

Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhaltion of vapours and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

Contamined clothing should be changed before entering eating areas.

Do not eat or drink while working.

7.2. Conditions for safe storage, including any incompatibilities

Store at below 20 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.

Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.

Incompatible materials:

Store away from incompatible materials (see Section 10 of the SDS).

Instructions as regards storage premises:

Cool and adequately ventilated.

7.3. Specific end use(s)

None in particular

Industrial sector specific solutions:

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Community Occupational Exposure Limits (OEL)

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS

	National	Long Term: 1200 mg/m3 - 197 ppm Notes: ExxonMobil
		Long Term: 300 mg/m3; Short Term: 900 mg/m3 Notes: Poland (NDS, DNSCh)
		Long Term: 300 mg/m3 - 50 ppm; Short Term: 600 mg/m3 - 100 ppm Notes: Germany
		Long Term: 300 mg/m3 - 50 ppm; Short Term: 600 mg/m3 - 100 ppm Notes: Switzerland

HYDROCARBONS, C9-C12, N-ALKANES, ISOALKANES, AROMATICS (2-25%)

	National	Long Term: 100 ppm Notes: Poland (NDS) (ACGIH)

CO2

CAS: 124-38-9	ACGIH	Long Term: 5000 ppm; Short Term: 30000 ppm Notes: Asphyxia
	EU	Long Term: 9000 mg/m3 - 5000 ppm
	National	Long Term: 9000 mg/m3 - 5000 ppm Behaviour Indicative Notes: France VLEP

(2-Methoxymethylethoxy)-propanol

CAS: 34590-94-8	ACGIH	Long Term: 50 ppm Notes: Liver & CNS eff
	EU	Long Term: 308 mg/m3 - 50 ppm Notes: Skin
	National	Long Term: 310 mg/m3 Notes: Germany - Notes DFG, EU
		Long Term: 308 mg/m3 - 50 ppm Behaviour Binding Notes: France VLEC - TMP N° 84 (peau)
		Long Term: 270 mg/m3; Short Term: 550 mg/m3 Notes: Czech Republic
		Long Term: 308 mg/m3 - 50 ppm Notes: UK - Skin

Long Term: 307 mg/m3 - 50 ppm; Short Term: 614 mg/m3 - 100 ppm
Notes: Österreich

Long Term: 308 mg/m3 - 50 ppm
Notes: TWA Poland

Long Term: 240 mg/m3 - 100 ppm; Short Term: 480 mg/m3 - 150 ppm
Notes: Poland (NDS, NDSCh)

reaction mass of ethylbenzene and xylene

CAS: 1330-20-7

ACGIH
Long Term: 20 ppm
Notes: A4, BEI - URT and eye irr; hematologic eff; CNS impair

EU
Long Term: 221 mg/m3 - 50 ppm; Short Term: 442 mg/m3 - 100 ppm
Notes: Skin

National
Long Term: 221 mg/m3 - 50 ppm; Short Term: 442 mg/m3 - 100 ppm
Notes: France VLEC - TMP N° 4Bis, 84

Long Term: 440 mg/m3 - 100 ppm
Notes: Germany - DFG, H

Long Term: 220 mg/m3 - 50 ppm; Short Term: 441 mg/m3 - 100 ppm
Notes: UK (WELs)

Long Term: 435 mg/m3 - 100 ppm; Short Term: 870 mg/m3 - 200 ppm
Notes: Swiss - SUVA

Long Term: 221 mg/m3 - 50 ppm; Short Term: 442 mg/m3 - 100 ppm
Notes: Österreich

Long Term: 221 mg/m3 - 50 ppm
Notes: TWA:Poland

Reaction products between 1H-Benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-6-méthyl-, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4-methyl-, 2H-Benzotriazole-2- methanamine, N,N-bis(2-ethylhexyl)-5-methyl-, N,N-Bis(2-ethylhexyl)-4-methyl-1H-benzotriazole-1- methylamine and N,N-Bis(2-ethylhexyl)-5-methyl-1H-benzotriazole-1-methylamine

TWA
Long Term: 1 mg/m3
Notes: Inhalable

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics (benzene content < 0.1% w/w)

EU
Long Term: 1050 mg/m3
Notes: EU HSPA

National
Long Term: 1000 mg/m3; Short Term: 1500 mg/m3
Behaviour Indicative
Notes: France (vapeur)

Long Term: 1200 mg/m3 - 184 ppm
Notes: ExxonMobil

Long Term: 25 ppm
Notes: Denmark

Long Term: 300 mg/m3 - 50 ppm
Notes: Germany

Long Term: 300 mg/m3; Short Term: 900 mg/m3
Notes: Poland

Long Term: 150 mg/m3 - 25 ppm; Short Term: 300 mg/m3 - 50 ppm
Notes: Sweden

Long Term: 300 mg/m3 - 50 ppm; Short Term: 600 mg/m3 - 100 ppm
Notes: Switzerland

Long Term: 300 mg/m3; Short Term: 900 mg/m3
Notes: Poland (NDS, NDSCh)

2-ETHYLHEXANOIC ACID, ZIRCONIIUM SALT

CAS: 22464-99-9

National
Long Term: 5 mg/m3; Short Term: 10 mg/m3
Notes: WEL, UK

Long Term: 5 mg/m3; Short Term: 10 mg/m3
Notes: NDS, NDSch;Poland

COBALT BIS(2-ETHYLHEXANOATE)

CAS: 136-52-7 National Long Term: 0.05 mg/m3
Notes: Switzerland, inhalable fraction

Xylene

CAS: 1330-20-7 ACGIH Long Term: 20 ppm
Notes: A4, BEI - URT and eye irr; hematologic eff; CNS impair

EU Long Term: 221 mg/m3 - 50 ppm; Short Term: 442 mg/m3 - 100 ppm
Notes: Skin

National Long Term: 221 mg/m3 - 50 ppm; Short Term: 442 mg/m3 - 100 ppm
Notes: France VLEC - TMP N° 4Bis, 84

Long Term: 440 mg/m3 - 100 ppm
Notes: Germany - DFG, H

Long Term: 220 mg/m3 - 50 ppm; Short Term: 441 mg/m3 - 100 ppm
Notes: UK (WELs)

Long Term: 435 mg/m3 - 100 ppm; Short Term: 870 mg/m3 - 200 ppm
Notes: Swiss - SUVA

Long Term: 221 mg/m3 - 50 ppm; Short Term: 442 mg/m3 - 100 ppm
Notes: Österreich

Predicted No Effect Concentration (PNEC) values

(2-Methoxymethylethoxy)-propanol

CAS: 34590-94-8 Exposure Route: Fresh Water; PNEC Limit: 19 mg/l

Exposure Route: Marine water; PNEC Limit: 1.9 mg/l

Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 4168 mg/l

Exposure Route: Freshwater sediments; PNEC Limit: 70.2 mg/kg
Remark: mg/kg p.s.

Exposure Route: Marine water sediments; PNEC Limit: 7.02 mg/kg
Remark: mg/kg p.s.

Exposure Route: Soil (agricultural); PNEC Limit: 2.74 mg/kg
Remark: mg/kg p.s.

Exposure Route: Water (intermittent discharge); PNEC Limit: 190 mg/l

reaction mass of ethylbenzene and xylene

CAS: 1330-20-7 Exposure Route: Fresh Water; PNEC Limit: 0.327 mg/l

Exposure Route: Water (intermittent discharge); PNEC Limit: 0.327 mg/l

Exposure Route: Marine water; PNEC Limit: 0.327 mg/l

Exposure Route: Sewage treatment plant; PNEC Limit: 6.58 mg/l

Exposure Route: Freshwater sediments; PNEC Limit: 12.46 mg/kg

Exposure Route: Marine water sediments; PNEC Limit: 12.46 mg/kg

Exposure Route: Soil; PNEC Limit: 2.31 mg/kg

Reaction products between 1H-Benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-6-méthyl-, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4-methyl-, 2H-Benzotriazole-2- methanamine, N,N-bis(2-ethylhexyl)-5-methyl-, N,N-Bis(2-ethylhexyl)-4-methyl-1H-benzotriazole-1- methylamine and N,N-Bis(2-ethylhexyl)-5-methyl-1H-benzotriazole-1-methylamine

Exposure Route: Fresh Water; PNEC Limit: 0.000976 mg/l

Exposure Route: Marine water; PNEC Limit: 0.000098 mg/l

Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 0.69 mg/l

Exposure Route: Freshwater sediments; PNEC Limit: 0.0121 mg/kg
Remark: 0,0121 - 4,23 mg/kg

Exposure Route: Marine water sediments; PNEC Limit: 0.00121 mg/kg
Remark: 0,00121 - 0,423 mg/kg

Exposure Route: Soil; PNEC Limit: 0.00184 mg/kg
Remark: 0,00184 - 0,842 mg/kg

Exposure Route: Sporadic discharge; PNEC Limit: 0.00976 mg/l

Exposure Route: Sewage treatment plant; PNEC Limit: 0.69 mg/l

Xylene

CAS: 1330-20-7 Exposure Route: Marine water; PNEC Limit: 0.327 mg/l

Remark: evaluation factor : 1

Exposure Route: Marine water sediments; PNEC Limit: 12.46 mg/kg

Exposure Route: Soil (agricultural); PNEC Limit: 2.31 mg/kg

Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 6.58 mg/l

Exposure Route: Soil; PNEC Limit: 2.31 mg/kg
Remark: Assessment factor/ 1 / ECHA

Derived No Effect Level (DNEL) values

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS

Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects
Worker Industry: 77 mg/kg b.w./day; Consumer: 46 mg/kg b.w./day

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects
Worker Industry: 871 mg/m3; Consumer: 185 mg/kg b.w./day

Exposure Route: Human Oral; Exposure Frequency: Long Term, systemic effects
Consumer: 46 mg/kg b.w./day

HYDROCARBONS, C9-C12, N-ALKANES, ISOALKANES, AROMATICS (2-25%)

Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects
Worker Industry: 44 mg/kg b.w./day; Consumer: 26 mg/kg b.w./day

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects
Worker Industry: 330 mg/m3; Consumer: 71 mg/m3

Exposure Route: Human Oral; Exposure Frequency: Long Term, systemic effects
Consumer: 26 mg/kg b.w./day

(2-Methoxymethylethoxy)-propanol

CAS: 34590-94-8

Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects
Worker Industry: 65 mg/kg b.w./day; Consumer: 15 mg/kg b.w./day

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects
Worker Industry: 310 mg/m3; Consumer: 37.2 mg/m3

Exposure Route: Human Oral; Exposure Frequency: Long Term, systemic effects
Consumer: 1.67 mg/kg b.w./day

reaction mass of ethylbenzene and xylene

CAS: 1330-20-7

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects
Worker Industry: 77 mg/m3; Consumer: 14.8 mg/m3

Exposure Route: Human Inhalation; Exposure Frequency: Short Term, local effects
Worker Industry: 289 mg/m3; Consumer: 174 mg/kg b.w./day

Exposure Route: Human Inhalation; Exposure Frequency: Short Term, systemic effects
Worker Industry: 289 mg/m3; Consumer: 174 mg/kg b.w./day

Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects
Worker Industry: 180 mg/kg b.w./day; Consumer: 108 mg/kg b.w./day

Exposure Route: Human Oral; Exposure Frequency: Long Term, systemic effects
Consumer: 1.6 mg/kg b.w./day

Reaction products between 1H-Benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-6-méthyl-, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4-methyl-, 2H-Benzotriazole-2- methanamine, N,N-bis(2-ethylhexyl)-5-methyl-, N,N-Bis(2-ethylhexyl)-4-methyl-1H-benzotriazole-1- methylamine and N,N-Bis(2-ethylhexyl)-5-methyl-1H-benzotriazole-1-methylamine

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects
Worker Industry: 1.3 mg/m3; Consumer: 0.3 mg/m3

Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects
Worker Industry: 0.4 mg/kg; Consumer: 0.2 mg/kg

Exposure Route: Human Oral; Exposure Frequency: Long Term, systemic effects
Consumer: 0.2

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects
Worker Industry: 1.3 mg/m3; Consumer: 0.3 mg/m3

Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects
Worker Industry: 0.4 mg/kg; Consumer: 0.2 mg/kg

Exposure Route: Human Oral; Exposure Frequency: Long Term, systemic effects

Consumer: 0.2 mg/kg

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics (benzene content < 0.1% w/w)

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects
Worker Industry: 1500 mg/m3

Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects
Worker Industry: 300 mg/kg

Exposure Route: Human Oral; Exposure Frequency: Long Term, systemic effects
Consumer: 300 mg/kg

Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects
Consumer: 300 mg/kg

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects
Consumer: 900 mg/m3

Xylene

CAS: 1330-20-7

Exposure Route: Human Inhalation; Exposure Frequency: Short Term, systemic effects
Worker Professional: 289 mg/m3; Consumer: 174 mg/m3

Exposure Route: Human Inhalation; Exposure Frequency: Short Term, local effects
Worker Professional: 289 mg/m3

Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects
Worker Professional: 180 mg/kg b.w./day; Consumer: 108 mg/kg

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects
Worker Professional: 77 mg/m3; Consumer: 14.8 mg/m3

Exposure Route: Human Oral; Exposure Frequency: Long Term, systemic effects
Consumer: 1.6 mg/kg b.w./day

8.2. Exposure controls

See below, example of PPE to use.

Eye protection:

Safety goggles (EN 166)

Protection for skin:

Chemical protection clothing. (type 4 - EN14605)

Protection for hands:

Suitable gloves type: NF EN374; NBR (nitrile rubber). PVA (Polyvinyl alcohol).

Respiratory protection:

Filtering Half-face mask (NF EN 149), class FFP1; Mask with filter "A1" , brown colour (NF EN14387); Filtering device (NF EN 143): P1, white

Thermal Hazards:

N.A.

Environmental exposure controls:

N.A.

Hygienic and Technical measures

N.A.

Appropriate engineering controls:

N.A.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	red brown
Odour:	N.A.
pH:	Not Relevant
Kinematic viscosity:	<= 14 mm2/s (40 °C)
Melting point/freezing point:	Not Relevant
Boiling point or initial boiling point and boiling range:	<= 35°C
Flash point:	41 °C (106 °F)

	Method: NF EN ISO 13736 Notes: liquid product
Lower and upper explosion limit:	0.6-14%
Relative vapour density:	N.A.
Vapour pressure:	N.A.
Density and/or relative density:	< 1
Solubility in water:	N.A.
Solubility in oil:	N.A.
Partition coefficient n-octanol/water (log value):	N.A.
Auto-ignition temperature:	>201°C Notes: 40% Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics 60% not dangerous substances
Decomposition temperature:	N.A.
Flammability:	Extremely flammable aerosol
Volatile Organic compounds - VOCs =	72.00%; 686.90g/L
Particle characteristics:	
Particle size:	N.A.

9.2. Other information

Explosive properties:	yes Notes: may form explosive mixtures with air (Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics)

N.A. = not available

No other relevant information

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

None.

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

Avoid contact with oxidizing materials. The product could catch fire.

10.6. Hazardous decomposition products

None.

SECTION 11: Toxicological information

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

Toxicological Information of the Preparation

a) acute toxicity	Not classified Based on available data, the classification criteria are not met
b) skin corrosion/irritation	Not classified Based on available data, the classification criteria are not met
c) serious eye damage/irritation	Not classified Based on available data, the classification criteria are not met
d) respiratory or skin sensitisation	Not classified Based on available data, the classification criteria are not met
e) germ cell mutagenicity	Not classified

	Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified
	Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified
	Based on available data, the classification criteria are not met
h) STOT-single exposure	The product is classified: STOT SE 3(H336)
i) STOT-repeated exposure	The product is classified: STOT RE 2(H373)
j) aspiration hazard	The product is classified: Asp. Tox. 1(H304)

Toxicological information on main components of the mixture:

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS

	a) acute toxicity	LD50 Oral Rat > 5000 mg/kg 4h - OECD 401
		LD50 Skin Rabbit > 5000 mg/kg 24 hours - OECD 402
		LC50 Inhalation Rat > 4951 mg/m3 4h - OECD 403

HYDROCARBONS, C9-C12, N-ALKANES, ISOALKANES, AROMATICS (2-25%)

	a) acute toxicity	LC50 Inhalation Vapour Rat > 13.1 mg/l 4h
		LD50 Skin Rat > 3400 mg/kg
		LD50 Oral Rat > 15000 mg/kg
	g) reproductive toxicity	NOAEC Inhalation Rat > 300 ppm

(2-Methoxymethylethoxy)-propanol

CAS: 34590-94-8	a) acute toxicity	ATE - Oral: 5001 mg/kg bw
		ATE - Dermal: 9510 mg/kg bw
		ATE - Inhalation (Vapours): 3.35 mg/l
		LD50 Oral Rat > 5000 mg/kg
		LD50 Skin Rabbit = 9510 mg/kg
		LC50 Inhalation Rat = 3350 mg/m3 Notes: aerosol, 7h
		ATE Oral > 5000 mg/kg
		ATE Inhalation Vapour = 3.35 mg/l 7h
		ATE Skin = 9510 mg/kg

BENZENESULFONIC ACID, DI-C10-14-ALKYL DERIVS, CALCIUM SALTS

	a) acute toxicity	LD50 Oral Rat > 2000 mg/kg
		LD50 Skin Rabbit > 2000 mg/kg

reaction mass of ethylbenzene and xylene

CAS: 1330-20-7	a) acute toxicity	ATE - Dermal: 1100 mg/kg bw
		ATE - Inhalation (Vapours): 11 mg/l
		LD50 Skin = 1100 mg/kg
		LC50 Inhalation Vapour = 11 mg/l
	f) carcinogenicity	NOAEL Oral Rat > 500 mg/kg bw/day
	g) reproductive toxicity	NOAEC Inhalation Rat = 500 ppm Notes: fertilité/fertility
		NOAEC Inhalation Rat = 100 ppm Notes: développement/developement

Reaction products between 1H-Benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-6-méthyl-, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4-methyl-, 2H-Benzotriazole-2- methanamine, N,N-bis(2-ethylhexyl)-5-methyl-, N,N-Bis(2-ethylhexyl)-4-methyl-1H-benzotriazole-1- methylamine and N,N-Bis(2-ethylhexyl)-5-methyl-1H-benzotriazole-1-methylamine

	a) acute toxicity	LD50 Oral Rat > 2 mg/kg
		LD50 Skin Rat > 2 mg/kg

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics (benzene content < 0.1% w/w)

	a) acute toxicity	LD50 Oral Rat > 5000 mg/kg - OECD Test Guideline 401
		LD50 Skin Rat > 2000 mg/kg - OECD Test Guideline 402
		LC50 Inhalation Vapour Rat > 5000 mg/m3 4h

Xylene

CAS: 1330-20-7	a) acute toxicity	ATE - Dermal: 1100 mg/kg bw
		ATE - Inhalation (Gas): 5000 ppmV
		LD50 Oral = 1100 mg/kg
		LC50 Inhalation Vapour = 11 mg/l
	f) carcinogenicity	NOAEL Oral Rat > 500 mg/kg bw/day

11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration >= 0.1%

Other toxicological information:

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS
(spraying or aerosol)
Irritating to eyes and skin.
Repeated exposure may cause dryness or cracking of the skin.
Inhalation of vapours may cause drowsiness and dizziness.
Inhalation - May irritate respiratory tracts.
Inhalation of vapours may cause headaches, nausea, vomiting and impaired consciousness.
Ingestion:
Severe lung damage, irritation of the digestive tract, nausea, vomiting and diarrhea. Risk of central nervous system depression.
HYDROCARBONS, C9-C12, N-ALKANES, ISOALKANES, AROMATICS (2-25%)
Specific target organ systemic toxicity - single exposure:
Inhalation of vapours may cause drowsiness and dizziness.
Specific Target Organ Systemic Toxicity (repeated exposure):
May cause damage to organs through prolonged or repeated exposure.
BENZENESULFONIC ACID, DI-C10-14-ALKYL DERIVS, CALCIUM SALTS
Skin sensitization:
May cause skin sensitization.
Respiratory irritation:
If the product is in the form of fog or vapours produced by heating: irritation of mucous membranes and upper respiratory tract.
reaction mass of ethylbenzene and xylene
Skin contact:
Irritating effect
Ingestion:
Ingestion may cause irritation of the digestive tract, nausea, vomiting and diarrhea, abdominal pain.
Harmful by inhalation.
Reaction products between 1H-Benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-6-méthyl-, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4-methyl-, 2H-Benzotriazole-2- methanamine, N,N-bis(2-ethylhexyl)-5-methyl-, N,N-Bis(2-ethylhexyl)-4-methyl-1H-benzotriazole-1- methylamine and N,N-Bis(2-ethylhexyl)-5-methyl-1H-benzotriazole-1-methylamine
Skin irritation:
Irritating to skin.
Sensitization:
May cause skin sensitization.
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics (benzene content < 0.1% w/w)
Eye contact:
May cause mild and transient eye discomfort.
Aspiration:
May be fatal if swallowed and enter the respiratory tract.
2-ETHYLHEXANOIC ACID, ZIRCONIIUM SALT
Reproductive Toxicity:
Suspected human reproductive toxicant, May cause harm to the unborn child.
COBALT BIS(2-ETHYLHEXANOATE)
Eye damage / eye irritation:
Irritating to eyes
Sensitization:
The product is a skin sensitiser, sub-category 1A.
Reproductive Toxicity:
Suspected human reproductive toxicant, May impair fertility. May harm the unborn child.
Xylene
Skin corrosion / irritation:
Irritating effect

Eye damage / eye irritation:
Irritating effect

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

Harmful to aquatic life with long lasting effects.

List of Eco-Toxicological properties of the product

The product is classified: Aquatic Chronic 3(H412)

List of Eco-Toxicological properties of the components

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS

a) Aquatic acute toxicity: LC50 Fish > 1000 mg/L 96h - Oncorhynchus mykiss

a) Aquatic acute toxicity: EC50 Algae > 1000 mg/L 72h - Pseudokirchnerella subcapitata

a) Aquatic acute toxicity: EC50 Daphnia > 1000 mg/L 48h - Daphnia magna

a) Aquatic acute toxicity: DSEO-R (NOELR) Algae = 3 mg/L 72h - Pseudokirchnerella subcapitata - biomass - OECD 201)

a) Aquatic acute toxicity: DSEO-R (NOELR) Algae = 100 mg/L 72h - Pseudokirchnerella subcapitata - growth rate - EOCD 201)

b) Aquatic chronic toxicity: DSEO-R (NOELR) Daphnia = 0.23 mg/L 504h - Daphnia magna - QSAR Petrotox

b) Aquatic chronic toxicity: DSEO-R (NOELR) Fish = 0.13 mg/L 672h - Oncorhynchus mykiss - QSAR Petrotox

HYDROCARBONS, C9-C12, N-ALKANES, ISOALKANES, AROMATICS (2-25%)

a) Aquatic acute toxicity: EL50 Daphnia > 10 mg/L 48h

a) Aquatic acute toxicity: EL50 Daphnia < 22 mg/L 48h

a) Aquatic acute toxicity: LC50 Fish > 10 mg/L 96h - Oncorhynchus mykiss

a) Aquatic acute toxicity: LC50 Fish < 30 mg/L 96h - Oncorhynchus mykiss

a) Aquatic acute toxicity: EL50 Aquatic plants = 2.3 mg/L 72h - Pseudokirchneriella subcapitata

a) Aquatic acute toxicity: EL50 Microorganisms = 43.98 mg/L 48h - Tetrahymena pyriformis

b) Aquatic chronic toxicity: NOEL Fish = 0.13 mg/L 672h - Oncorhynchus mykiss

b) Aquatic chronic toxicity: NOEL Aquatic invertebrates = 0.28 mg/L 504h - Daphnia magna

(2-Methoxymethylethoxy)-propanol

CAS: 34590-94-8

b) Aquatic chronic toxicity: NOEC Daphnia > 0.5 mg/L 528h - LOEC: > 0,5 mg/l, 22 days

a) Aquatic acute toxicity: LC50 Fish > 1000 mg/L 96h - Poecilia reticulata

a) Aquatic acute toxicity: LC50 Daphnia > 1000 mg/L 96h - Crangon crangon

a) Aquatic acute toxicity: EC50 Algae > 969 mg/L

e) Plant toxicity: NOEC = 250000 mg/L

BENZENESULFONIC ACID, DI-C10-14-ALKYL DERIVS, CALCIUM SALTS

a) Aquatic acute toxicity: LC50 Fish > 100 mg/L 96h - Rainbow trout /Truite arc-en-ciel

a) Aquatic acute toxicity: NOEC Fish > 100 mg/L 96h - Rainbow trout /Truite arc-en-ciel

a) Aquatic acute toxicity: LC0 Fish > 10000 mg/kg/d 96h - Cyprinodon variegatus

a) Aquatic acute toxicity: EC50 Daphnia > 1000 mg/L 48h - Daphnia magna

a) Aquatic acute toxicity: EC50 Algae > 100.1 mg/L 72h - Selenestrum capricomutum

a) Aquatic acute toxicity: EC50 Microorganisms = 10000 mg/L - Sludge / boues (0.1 day / 0,1 jour)

reaction mass of ethylbenzene and xylene

CAS: 1330-20-7

a) Aquatic acute toxicity: LC50 Fish = 2.6 mg/L 96h - Oncorhynchus mykiss

a) Aquatic acute toxicity: IC50 Aquatic invertebrates = 1 mg/kg/d 24h - Daphnia magna

a) Aquatic acute toxicity: EC50 Aquatic plants = 2.2 mg/L 73h - Pseudokirchneriella subcapitata

a) Aquatic acute toxicity: NOEC activated sludge = 157 mg/L 3h

a) Aquatic acute toxicity: NOEC Fish > 1.3 mg/L 1344h - Oncorhynchus mykiss

a) Aquatic acute toxicity: NOAEL Aquatic invertebrates = 1.17 mg/L 168h - Ceriodaphnia dubia

Reaction products between 1H-Benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-6-méthyl-, 2H-Benzotriazole-2-

methanamine, N,N-bis(2-ethylhexyl)-4-methyl-, 2H-Benzotriazole-2- methanamine, N,N-bis(2-ethylhexyl)-5-methyl-, N,N-Bis(2-ethylhexyl)-4-methyl-1H-benzotriazole-1- methylamine and N,N-Bis(2-ethylhexyl)-5-methyl-1H-benzotriazole-1-methylamine

a) Aquatic acute toxicity: LC50 Fish = 1.3 mg/L 96h

a) Aquatic acute toxicity: EC50 Daphnia = 1.4 mg/L 24h

c) Bacteria toxicity: bacteria = 69 mg/L 3h - CI50

a) Aquatic acute toxicity: EC50 Algae = 0.976 mg/L 72h - Desmodesmus subspicatus, taux de croissance

a) Aquatic acute toxicity: EC10 Algae = 0.658 mg/L 72h - Desmodesmus subspicatus, taux de croissance

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics (benzene content < 0.1% w/w)

b) Aquatic chronic toxicity: NOAEL Daphnia = 0.18 mg/L 504h - Daphnia magna

a) Aquatic acute toxicity: NOEC Pseudokirchneriella subcapitata (green algae) > 1000 mg/L 72h - OECD Test Guideline 201

a) Aquatic acute toxicity: EC50 Daphnia > 1000 mg/L 48h - OECD Test Guideline 202

a) Aquatic acute toxicity: LC50 Rainbow Trout (Oncorhyncus mykiss) > 1000 mg/L 96h - OECD Test Guideline 203

b) Aquatic chronic toxicity: NOAEL Fish = 0.1 mg/L 672h - Oncorhynchus mykiss

Xylene

CAS: 1330-20-7

a) Aquatic acute toxicity: LC50 Fish = 2.6 mg/L 96h - Oncorhynchus mykis

a) Aquatic acute toxicity: LC50 Aquatic invertebrates = 1 mg/L 24h - Daphnia magna

a) Aquatic acute toxicity: EC50 Aquatic plants = 2.2 mg/L 73h - Pseudokirchneriella subcapitata

a) Aquatic acute toxicity: NOEC Microorganisms = 157 mg/L 73h - Activated sludge

b) Aquatic chronic toxicity: NOEC Fish > 1.3 mg/L 1344h - Oncorhynchus mykiss

b) Aquatic chronic toxicity: NOEC Aquatic invertebrates = 1.17 mg/L 1344168h - Ceriodaphnia dubia

12.2. Persistence and degradability

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS

Biodegradability rate — Duration: 28 days; Value: 80 %

Photodegradation (in air)

HYDROCARBONS, C9-C12, N-ALKANES, ISOALKANES, AROMATICS (2-25%)

Biodegradability rate — Duration: 28 days; Value: 74.7

(2-Methoxymethylethoxy)-propanol

CAS: 34590-94-8

Biodegradability rate — Test: OECD 301F; Duration: 28 days; Value: 75

Biodegradability rate — Test: OECD 302B; Duration: 13 days; Value: 93

BENZENESULFONIC ACID, DI-C10-14-ALKYL DERIVS, CALCIUM SALTS

Non-readily biodegradable — Test: OECD TG 301 D; Duration: 28 days; Value: 8 %

Reaction products between 1H-Benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-6-méthyl-, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4-methyl-, 2H-Benzotriazole-2- methanamine, N,N-bis(2-ethylhexyl)-5-methyl-, N,N-Bis(2-ethylhexyl)-4-methyl-1H-benzotriazole-1- methylamine and N,N-Bis(2-ethylhexyl)-5-methyl-1H-benzotriazole-1-methylamine

Non-readily biodegradable

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics (benzene content < 0.1% w/w)

Biodegradability rate — Test: OECD 301F; Duration: 28 days; Value: 80

Xylene

CAS: 1330-20-7

Biodegradability rate — Duration: 28 days; Value: 87.8 %

12.3. Bioaccumulative potential

(2-Methoxymethylethoxy)-propanol

CAS: 34590-94-8

Log Pow — Value: 1.01

BCF — Notes: < 100

BENZENESULFONIC ACID, DI-C10-14-ALKYL DERIVS, CALCIUM SALTS

Log Kow — Value: 26.22

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics (benzene content < 0.1% w/w)

Potentially bioaccumulative.

Xylene

CAS: 1330-20-7	Log Pow	Value: 3.2
	BCF	Value: 25.9 Notes: Oncorhynchus mykiss

12.4. Mobility in soil

HYDROCARBONS, C9-C12, N-ALKANES, ISOALKANES, AROMATICS (2-25%)

Surface tension	Notes: 24.7 mN/m

reaction mass of ethylbenzene and xylene

CAS: 1330-20-7

	Notes: 623-665 Pa m³/mol
	Notes: 29.76 mN/m

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics (benzene content < 0.1% w/w)

Floats on the water. Adsorption in soil, low mobility.	

Xylene

CAS: 1330-20-7

	Notes: 29.76 mN/m

12.5. Results of PBT and vPvB assessment

No PBT or vPvB substances present in concentration >= 0.1%

12.6 Endocrine disrupting properties

No endocrine disruptor substances present in concentration >= 0.1%

12.7 Other adverse effects

Deutschland: WGK 2 (VwVwS vom 27/07/2005, KBws) : Wassergefährdend.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

Waste code:

16 05 04* - gases in pressure containers (including halons) containing dangerous substances

SECTION 14: Transport information

14.1. UN number or ID number

1950

14.2. UN proper shipping name

ADR-Shipping Name: AEROSOLS

IATA-Shipping Name: AEROSOLS

IMDG-Shipping Name: AEROSOLS

14.3. Transport hazard class(es)

ADR-Class: 2

IATA-Class: 2

IMDG-Class: 2

14.4. Packing group

ADR-Packing Group: -

IATA-Packing group: -

IMDG-Packing group: -

14.5. Environmental hazards

Marine pollutant: No

Environmental Pollutant: No

IMDG-EMS: F-D, S-U

14.6. Special precautions for user

Road and Rail (ADR-RID):

ADR-Label: 2.1

ADR - Hazard identification number: -

ADR-Special Provisions: 190 327 344 625

ADR-Transport category (Tunnel restriction code): 2 (D)

Air (IATA):

IATA-Passenger Aircraft: 203

IATA-Cargo Aircraft: 203

IATA-Label: 2.1

IATA-Subsidiary hazards: See SP63

IATA-Erg: 10L

IATA-Special Provisions: A145 A167 A802

Sea (IMDG):

IMDG-Stowage and handling: SW1 SW22

IMDG-Segregation: SG69

IMDG-Subsidiary hazards: See SP63

Q.E.: E0

Q.L.: 1L

14.7. Maritime transport in bulk according to IMO instruments

N.A.

SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP)

Regulation (EU) n. 2016/1179 (ATP 9 CLP)

Regulation (EU) n. 2017/776 (ATP 10 CLP)

Regulation (EU) n. 2018/669 (ATP 11 CLP)

Regulation (EU) n. 2018/1480 (ATP 13 CLP)

Regulation (EU) n. 2019/521 (ATP 12 CLP)

Regulation (EU) n. 2020/217 (ATP 14 CLP)

Regulation (EU) n. 2020/1182 (ATP 15 CLP)

Regulation (EU) n. 2021/643 (ATP 16 CLP)

Regulation (EU) n. 2021/849 (ATP 17 CLP)

Regulation (EU) n. 2022/692 (ATP 18 CLP)

Regulation (EU) n. 2023/707

Regulation (EU) n. 2023/1434 (ATP 19 CLP)

Regulation (EU) n. 2023/1435 (ATP 20 CLP)

Regulation (EU) n. 2024/197 (ATP 21 CLP)

Regulation (EU) n. 2024/2564 (ATP 22 CLP)

Regulation (EU) n. 2024/2865

Regulation (EU) n. 2020/878

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product: 3, 40

Restrictions related to the substances contained: 75

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1	Lower-tier threshold (tonnes)	Upper-tier threshold (tonnes)
Product belongs to category: P3b	5000	50000

Regulation (EU) No 649/2012 (PIC regulation)

No substances listed

German Water Hazard Class.

N.A.

SVHC Substances:

No SVHC substances present in concentration >= 0.1%

Listed or in compliance with the following international inventories: N.A.

The following substance(s) in this product has/have an identification by CAS number either in countries not affected by the REACH regulation or in regulations not yet updated to reflect the new naming convention for hydrocarbon solvents:

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS (CAS No. 64742-48-9); HYDROCARBONS, C9-C12, N-ALKANES, ISOALKANES, AROMATICS (2-25%) (CAS No. 64742-82-1); Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-48-9); Benzenesulfonic acid, di C10-C14 alkyl derivs, calcium salts (CAS: 93820-57-6)

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: Other information

Code	Description
EUH066	Repeated exposure may cause skin dryness or cracking.
H222, H229	Extremely flammable aerosol. Pressurized container: may burst if heated.
H226	Flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H360D	May damage the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Code	Hazard class and hazard category	Description
2.3/1	Aerosols 1	Aerosol, Category 1
2.5/C	Press Gas (Comp.)	Gases under pressure (Compressed gas)
2.6/3	Flam. Liq. 3	Flammable liquid, Category 3
3.1/4/Dermal	Acute Tox. 4	Acute toxicity (dermal), Category 4
3.1/4/Inhal	Acute Tox. 4	Acute toxicity (inhalation), Category 4
3.10/1	Asp. Tox. 1	Aspiration hazard, Category 1
3.2/2	Skin Irrit. 2	Skin irritation, Category 2
3.3/2	Eye Irrit. 2	Eye irritation, Category 2
3.4.2/1A	Skin Sens. 1A	Skin Sensitisation, Category 1A
3.4.2/1B	Skin Sens. 1B	Skin Sensitisation, Category 1B
3.7/1B	Repr. 1B	Reproductive toxicity, Category 1B
3.8/3	STOT SE 3	Specific target organ toxicity — single exposure, Category 3
3.9/1	STOT RE 1	Specific target organ toxicity — repeated exposure, Category 1
3.9/2	STOT RE 2	Specific target organ toxicity — repeated exposure, Category 2
4.1/A1	Aquatic Acute 1	Acute aquatic hazard, category 1
4.1/C2	Aquatic Chronic 2	Chronic (long term) aquatic hazard, category 2
4.1/C3	Aquatic Chronic 3	Chronic (long term) aquatic hazard, category 3

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Aerosols 1, H222+H229	On basis of test data
STOT SE 3, H336	Calculation method
STOT RE 2, H373	Calculation method
Asp. Tox. 1, H304	Calculation method
Aquatic Chronic 3, H412	Calculation method

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity Estimate (Mixtures)

BCF: Biological Concentration Factor

BEI: Biological Exposure Index

BOD: Biochemical Oxygen Demand

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CAV: Poison Center

CE: European Community

CLP: Classification, Labeling, Packaging.

CMR: Carcinogenic, Mutagenic and Reprotoxic

COD: Chemical Oxygen Demand

COV: Volatile Organic Compound

CSA: Chemical Safety Assessment

CSR: Chemical Safety Report

DMEL: Derived Minimal Effect Level

DNEL: Derived No Effect Level.

DPD: Dangerous Preparations Directive

DSD: Dangerous Substances Directive

EC50: Half Maximal Effective Concentration

ECHA: European Chemicals Agency

EINECS: European Inventory of Existing Commercial Chemical Substances.

ES: Exposure Scenario

GefStoffVO: Ordinance on Hazardous Substances, Germany.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

IARC: International Agency for Research on Cancer

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

IC50: half maximal inhibitory concentration

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

IMDG: International Maritime Code for Dangerous Goods.

INCI: International Nomenclature of Cosmetic Ingredients.

IRCCS: Scientific Institute for Research, Hospitalization and Health Care

KAFH: Keep Away From Heat

KSt: Explosion coefficient.

LC50: Lethal concentration, for 50 percent of test population.

LD50: Lethal dose, for 50 percent of test population.

LDLo: Leathal Dose Low

N.A.: Not Applicable

N/A: Not Applicable

N/D: Not defined/ Not available

NA: Not available

NIOSH: National Institute for Occupational Safety and Health

NOAEL: No Observed Adverse Effect Level

OSHA: Occupational Safety and Health Administration

PBT: Persistent, Bioaccumulative and Toxic

PGK: Packaging Instruction

PNEC: Predicted No Effect Concentration.

PSG: Passengers

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.

TLV: Threshold Limiting Value.

TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).

vPvB: Very Persistent, Very Bioaccumulative.

WGK: German Water Hazard Class.

N.A.: Not Applicable or Not Available

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SOCOMORE strongly advises every recipient of this safety data sheet to read it carefully and to consult experts in the field if necessary or appropriate, in order to understand the information it contains, notably the possible dangers associated with this product. The users must ensure the conformity and completeness of this information with regards to their specific use of the product.

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the responsibility of the purchaser/user to ensure that their activities conform with current legislation in force.

The information is considered correct, but it is not exhaustive and it shall be used only as a guide which is based on the current knowledge of the substance or mixture and it is applicable to the safety precautions appropriate for the product.

Paragraphs modified from the previous revision:

- SECTION 1: Identification of the substance/mixture and of the company/undertaking
- SECTION 2: Hazards identification
- SECTION 8: Exposure controls/personal protection