

Safety Data Sheet (Regulation (EC) n. 1907/2006 (REACH))
SOCOPAC 50S AEROSOL

Regulation (EU) n. 2020/878

Safety Data Sheet date: 1/2/2024, version 12**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Trade name: SOCOPAC 50S AEROSOL
SDS code: P19191
UFI: FXEG-G9R6-XS15-HQJH

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**Manufacturers:**

Socomore SASU

Zone Industrielle du Prat - CS 23707 - 56037 VANNES CEDEX - 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 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

Competent person responsible for the safety data sheet:

techdirsocomore@socomore.com

1.4. Emergency telephone number

France : ORFILA (INRS) +33 (0)1 45 42 59 59

International : CHEMTEL +1-813-248-0585.

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****EC regulation criteria 1272/2008 (CLP)**

- ⚠ Danger, Aerosols 1, Extremely flammable aerosol. Pressurized container: may burst if heated.
- ⚠ Warning, STOT SE 3, May cause drowsiness or dizziness.
- ⚠ Warning, STOT RE 2, May cause damage to organs through prolonged or repeated exposure.
- ⚠ Danger, Asp. Tox. 1, May be fatal if swallowed and enters airways.
Aquatic Chronic 3, Harmful to aquatic life with long lasting effects.
EUH066 Repeated exposure may cause skin dryness or cracking.

Adverse physicochemical, human health and environmental effects:

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No other hazards

2.2. Label elements

Hazard pictograms:



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.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/...

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.

Special Provisions:

EUH066 Repeated exposure may cause skin dryness or cracking.

EUH208 Contains BENZENESULFONIC ACID, DI-C10-14-ALKYL DERIVS, CALCIUM SALTS.
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.

EUH208 Contains COBALT BIS(2-ETHYLHEXANOATE). May produce an allergic reaction.

Contains

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

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

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 \geq 0.1%

SECTION 3: Composition/information on ingredients**3.1. Substances**

N.A.











3.2. Mixtures

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

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Qty	Name	Ident. Number	Classification
>= 30% - < 40%	HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICIS	EC: 919-857-5 REACH No.: 01- 2119463258 -33	<ul style="list-style-type: none"> ⚠ 2.6/3 Flam. Liq. 3 H226 ⚠ 3.10/1 Asp. Tox. 1 H304 ⚠ 3.8/3 STOT SE 3 H336 EUH066
>= 25% - < 30%	HFO-1234ZE	CAS: 29118-24-9 EC: 471-480-0 REACH No.: 01- 0000019758 -54	<ul style="list-style-type: none"> ⚠ 2.5/C Press Gas (Comp.) H280
>= 3% - < 5%	HYDROCARBONS, C9-C12, N-ALKANES, ISOALKANES, AROMATICIS (2-25%)	EC: 919-446-0 REACH No.: 01- 2119458049 -33	<ul style="list-style-type: none"> ⚠ 2.6/3 Flam. Liq. 3 H226 ⚠ 3.9/1 STOT RE 1 H372 ⚠ 3.10/1 Asp. Tox. 1 H304 ⚠ 3.8/3 STOT SE 3 H336 ⚠ 4.1/C2 Aquatic Chronic 2 H411 EUH066 DECLP (CLP)*
>= 0.5% - < 1%	CO2	CAS: 124-38-9 EC: 204-696-9	<ul style="list-style-type: none"> ⚠ 2.5/C Press Gas (Comp.) H280
>= 0.5% - < 1%	(2-Methoxymethylethoxy)- propanol	Index number: 603_998_97_1 CAS: 34590-94-8 EC: 252-104-2 REACH No.: 01- 2119450011 -60	Substance with a Union workplace exposure limit.
>= 0.5% - < 1%	BENZENESULFONIC ACID, DI-C10-14- ALKYL DERIVS, CALCIUM SALTS	EC: 939-603-7 REACH No.: 01- 2119978241 -36	<ul style="list-style-type: none"> ⚠ 3.4.2/1B Skin Sens. 1B H317 Specific Concentration Limits: C >= 10%: Skin Sens. 1B H317
>= 0.3% - < 0.5%	reaction mass of ethylbenzene and xylene	CAS: 1330-20-7 EC: 905-588-0 REACH No.: 01- 2119488216 -32	<ul style="list-style-type: none"> ⚠ 2.6/3 Flam. Liq. 3 H226 ⚠ 3.10/1 Asp. Tox. 1 H304 ⚠ 3.1/4/Dermal Acute Tox. 4 H312 ⚠ 3.1/4/Inhal Acute Tox. 4 H332 ⚠ 3.2/2 Skin Irrit. 2 H315 ⚠ 3.3/2 Eye Irrit. 2 H319 ⚠ 3.8/3 STOT SE 3 H335 ⚠ 3.9/2 STOT RE 2 H373

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			Acute Toxicity Estimate: ATE - Dermal 1100 mg/kg bw ATE - Inhalation (Vapours) 11 mg/l
>= 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 REACH No.: 01-2119982395-25	 3.2/2 Skin Irrit. 2 H315  3.4.2/1B Skin Sens. 1B H317  4.1/A1 Aquatic Acute 1 H400  4.1/C2 Aquatic Chronic 2 H411
>= 0.1% - < 0.25%	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	EC: 918-481-9 REACH No.: 01-2119457273-39	 3.10/1 Asp. Tox. 1 H304 EUH066 DECLP (CLP)*
>= 0.1% - < 0.25%	2-ETHYLHEXANOIC ACID, ZIRCONIUM SALT	CAS: 22464-99-9 EC: 245-018-1 REACH No.: 01-2119979088-21	 3.7/1B Repr. 1B H360D
>= 0.001% - < 0.1%	COBALT BIS(2-ETHYLHEXANOATE)	CAS: 136-52-7 EC: 205-250-6 REACH No.: 01-2119524678-29	 3.3/2 Eye Irrit. 2 H319  3.4.2/1A Skin Sens. 1A H317  3.7/1B Repr. 1B H360D  4.1/A1 Aquatic Acute 1 H400 4.1/C3 Aquatic Chronic 3 H412

*DECLP (CLP): Substance classified in accordance with Note P, Annex VI of EC Regulation (EC) 1272/2008. The harmonised classification as a carcinogen or mutagen applies unless it can be shown that the substance contains less than 0,1 % w/w benzene (Einecs No 200-753-7), in which case a

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classification in accordance with Title II of this Regulation shall be performed also for those hazard classes. Where the substance is not classified as a carcinogen or mutagen, at least the precautionary statements (P102-)P260-P262-P301 + P310-P331 shall apply.

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

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 immediately and dispose of safely.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do NOT induce vomiting.

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

None

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).

Treatment:

No particular treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Extinguishing media which must not be used for safety reasons:

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

Wear personal protection equipment.

Remove all sources of ignition.

Remove persons to safety.

See protective measures under point 7 and 8.

6.2. Environmental precautions

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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

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, inhalation of vapours and mists.

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

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

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

Contaminated 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 ambient temperatures. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

7.3. Specific end use(s)

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values

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

- OEL Type: National - TWA: 1200 mg/m³, 197 ppm - Notes: ExxonMobil

- OEL Type: National - TWA: 300 mg/m³ - STEL: 900 mg/m³ - Notes: Poland (NDS, DNSCh)

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

- OEL Type: National - TWA: 100 ppm - Notes: Poland (NDS) (ACGIH)

CO₂ - CAS: 124-38-9

- OEL Type: EU - TWA(8h): 9000 mg/m³, 5000 ppm

- OEL Type: ACGIH - TWA(8h): 5000 ppm - STEL: 30000 ppm - Notes: Asphyxia

- OEL Type: National - TWA(8h): 9000 mg/m³, 5000 ppm - Behaviour: Indicative - Notes: France VLEP

(2-Methoxymethylethoxy)-propanol - CAS: 34590-94-8

- OEL Type: National - TWA(8h): 310 mg/m³ - Notes: Germany - Notes DFG, EU

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- OEL Type: National - TWA(8h): 308 mg/m³, 50 ppm - Notes: France VLEC - TMP N° 84
 - OEL Type: EU - TWA(8h): 308 mg/m³, 50 ppm - Notes: Skin
 - OEL Type: National - TWA: 270 mg/m³ - STEL: 550 mg/m³ - Notes: Czech Republic
 - OEL Type: ACGIH - TWA(8h): 50 ppm - Notes: Liver & CNS eff
 - OEL Type: National - TWA(8h): 308 mg/m³, 50 ppm - Notes: UK - Skin
 - OEL Type: National - TWA: 307 mg/m³, 50 ppm - STEL(5 min (Mow)): 614 mg/m³, 100 ppm - Notes: Österreich
 - OEL Type: National - TWA: 308 mg/m³, 50 ppm - Notes: TWA Poland
 - OEL Type: National - TWA: 240 mg/m³ - STEL: 480 mg/m³ - Notes: Poland (NDS, NDSCh)
- reaction mass of ethylbenzene and xylene - CAS: 1330-20-7
- OEL Type: National - TWA(8h): 221 mg/m³, 50 ppm - STEL: 442 mg/m³, 100 ppm - Notes: France VLEC - TMP N° 4Bis, 84
 - OEL Type: National - TWA(8h): 440 mg/m³, 100 ppm - Notes: Germany - DFG, H
 - OEL Type: National - TWA(8h): 220 mg/m³, 50 ppm - STEL: 441 mg/m³, 100 ppm - Notes: UK (WELs)
 - OEL Type: EU - TWA(8h): 221 mg/m³, 50 ppm - STEL: 442 mg/m³, 100 ppm - Notes: Skin
 - OEL Type: ACGIH - TWA(8h): 20 ppm - Notes: A4, BEI - URT and eye irr; hematologic eff; CNS impair
 - OEL Type: National - TWA: 435 mg/m³, 100 ppm - STEL: 870 mg/m³, 200 ppm - Notes: Swiss - SUVA
 - OEL Type: National - TWA: 221 mg/m³, 50 ppm - STEL(15min (Miw)): 442 mg/m³, 100 ppm - Notes: Österreich
 - OEL Type: National - TWA: 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-méthyl-, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-5-méthyl-, N,N-Bis(2-ethylhexyl)-4-méthyl-1H-benzotriazole-1- méthylamine and N,N-Bis(2-ethylhexyl)-5-méthyl-1H-benzotriazole-1-méthylamine
- OEL Type: TWA - TWA: 1 mg/m³ - Notes: Inhalable
- Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics
- OEL Type: National - TWA: 1000 mg/m³ - STEL: 1500 mg/m³ - Behaviour: Indicative - Notes: France
 - OEL Type: National - TWA: 1200 mg/m³, 184 ppm - Notes: ExxonMobil
 - OEL Type: EU - TWA: 1050 mg/m³ - Notes: EU HSPA
 - OEL Type: National - TWA: 25 ppm - Notes: Denmark
 - OEL Type: National - TWA: 300 mg/m³, 50 ppm - Notes: Germany
 - OEL Type: National - TWA: 300 mg/m³ - STEL: 900 mg/m³ - Notes: Poland
 - OEL Type: National - TWA: 150 mg/m³, 25 ppm - STEL: 300 mg/m³, 50 ppm - Notes: Sweden
 - OEL Type: National - TWA: 300 mg/m³, 50 ppm - STEL: 600 mg/m³, 100 ppm - Notes: Switzerland
 - OEL Type: National - TWA: 300 mg/m³ - STEL: 900 mg/m³ - Notes: Poland (NDS, NDSCh)

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2-ETHYLHEXANOIC ACID, ZIRCONIUM SALT - CAS: 22464-99-9

- OEL Type: National - TWA(8h): 5 mg/m³ - STEL: 10 mg/m³ - Notes: WEL, UK

- OEL Type: National - TWA: 5 mg/m³ - STEL: 10 mg/m³ - Notes: NDS, NDSch;Poland

COBALT BIS(2-ETHYLHEXANOATE) - CAS: 136-52-7

- OEL Type: National - TWA: 0.05 mg/m³ - Notes: Switzerland, inhalable fraction

DNEL Exposure Limit Values

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

Worker Industry: 208 mg/kg b.w./day - Consumer: 125 mg/kg b.w./day - Exposure: Human

Dermal - Frequency: Long Term, systemic effects

Worker Industry: 871 mg/m³ - Consumer: 185 mg/kg b.w./day - Exposure: Human

Inhalation - Frequency: Long Term, systemic effects

Consumer: 125 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic effects

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

Worker Industry: 44 mg/kg b.w./day - Consumer: 26 mg/kg b.w./day - Exposure: Human

Dermal - Frequency: Long Term, systemic effects

Worker Industry: 330 mg/m³ - Consumer: 71 mg/m³ - Exposure: Human Inhalation -

Frequency: Long Term, systemic effects

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

(2-Methoxymethylethoxy)-propanol - CAS: 34590-94-8

Worker Industry: 65 mg/kg b.w./day - Consumer: 15 mg/kg b.w./day - Exposure: Human

Dermal - Frequency: Long Term, systemic effects

Worker Industry: 310 mg/m³ - Consumer: 37.2 mg/m³ - Exposure: Human Inhalation -

Frequency: Long Term, systemic effects

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

reaction mass of ethylbenzene and xylene - CAS: 1330-20-7

Worker Industry: 77 mg/m³ - Consumer: 14.8 mg/m³ - Exposure: Human Inhalation -

Frequency: Long Term, systemic effects

Worker Industry: 289 mg/m³ - Consumer: 174 mg/kg b.w./day - Exposure: Human

Inhalation - Frequency: Short Term, local effects

Worker Industry: 289 mg/m³ - Consumer: 174 mg/kg b.w./day - Exposure: Human

Inhalation - Frequency: Short Term, systemic effects

Worker Industry: 180 mg/kg b.w./day - Consumer: 108 mg/kg b.w./day - Exposure: Human

Dermal - Frequency: Long Term, systemic effects

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

Reaction products between 1H-Benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-6-méthyl-, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4-méthyl-, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-5-méthyl-,

N,N-Bis(2-ethylhexyl)-4-méthyl-1H-benzotriazole-1- méthylamine and

N,N-Bis(2-ethylhexyl)-5-méthyl-1H-benzotriazole-1-méthylamine

Worker Industry: 1.3 mg/m³ - Consumer: 0.3 mg/m³ - Exposure: Human Inhalation -

Frequency: Long Term, systemic effects

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Worker Industry: 0.4 mg/kg - Consumer: 0.2 mg/kg - Exposure: Human Dermal -
 Frequency: Long Term, systemic effects
 Consumer: 0.2 - Exposure: Human Oral - Frequency: Long Term, systemic effects
 Worker Industry: 1.3 mg/m³ - Consumer: 0.3 mg/m³ - Exposure: Human Inhalation -
 Frequency: Long Term, systemic effects
 Worker Industry: 0.4 mg/kg - Consumer: 0.2 mg/kg - Exposure: Human Dermal -
 Frequency: Long Term, systemic effects
 Consumer: 0.2 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

(2-Methoxymethylethoxy)-propanol - CAS: 34590-94-8

Target: Fresh Water - Value: 19 mg/l
 Target: Marine water - Value: 1.9 mg/l
 Target: Microorganisms in sewage treatments - Value: 4168 mg/l
 Target: Freshwater sediments - Value: 70.2 mg/kg - Notes:: mg/kg p.s.
 Target: Marine water sediments - Value: 7.02 mg/kg - Notes:: mg/kg p.s.
 Target: Soil (agricultural) - Value: 2.74 mg/kg - Notes:: mg/kg p.s.
 Target: Water (intermittent discharge) - Value: 190 mg/l

reaction mass of ethylbenzene and xylene - CAS: 1330-20-7

Target: Fresh Water - Value: 0.327 mg/l
 Target: Water (intermittent discharge) - Value: 0.327 mg/l
 Target: Marine water - Value: 0.327 mg/l
 Target: Sewage treatment plant - Value: 6.58 mg/l
 Target: Freshwater sediments - Value: 12.46 mg/kg
 Target: Marine water sediments - Value: 12.46 mg/kg
 Target: Soil - Value: 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-méthyl-, 2H-Benzotriazole-2-
 methanamine, N,N-bis(2-ethylhexyl)-5-méthyl-,
 N,N-Bis(2-ethylhexyl)-4-méthyl-1H-benzotriazole-1- méthylamine and
 N,N-Bis(2-ethylhexyl)-5-méthyl-1H-benzotriazole-1-méthylamine

Target: Fresh Water - Value: 0.000976 mg/l
 Target: Marine water - Value: 0.000098 mg/l
 Target: Microorganisms in sewage treatments - Value: 0.69 mg/l
 Target: Freshwater sediments - Value: 0.0121 mg/kg - Notes:: 0,0121 - 4,23 mg/kg
 Target: Marine water sediments - Value: 0.00121 mg/kg - Notes:: 0,00121 - 0,423 mg/kg
 Target: Soil - Value: 0.00184 mg/kg - Notes:: 0,00184 - 0,842 mg/kg
 Target: Sporadic discharge - Value: 0.00976 mg/l
 Target: Sewage treatment plant - Value: 0.69 mg/l

Biological Exposure Index

reaction mass of ethylbenzene and xylene - CAS: 1330-20-7

Remark: ACGIH BEL (2009)
 Remark: FR IBE (1997)

8.2. Exposure controls

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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:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

Other conditions affecting workers exposure:

None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes
Physical state:	Liquid	--	--
Colour:	brown / red	--	--
Odour:	N.A.	--	--
Melting point/freezing point:	Not Relevant	--	--
Boiling point or initial boiling point and boiling range:	<= 35°C	--	--
Flammability:	Extremely flammable aerosol	--	--
Lower and upper explosion limit:	0.6-14%	--	--
Flash point (°C):	41 °C	NF EN ISO 13736	liquid product
Auto-ignition temperature:	>201°C	--	40% Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics
60% not dangerous			

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substances			
Decomposition temperature:	N.A.	--	--
pH:	Not Relevant	--	--
Kinematic viscosity:	<= 14 mm ² /sec (40 °C)	--	--
Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient n-octanol/water (log value):	N.A.	--	--
Vapour pressure:	N.A.	--	--
Density and/or relative density:	< 1	--	--
Relative vapour density:	N.A.	--	--
Particle characteristics:			
Particle size:	N.A.	--	--

9.2. Other information

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

Volatile Organic compounds - VOCs = 34 %
 Volatile Organic compounds - VOCs = 302 g/l

N.A. = not available

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

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Stable under normal conditions.

10.5. Incompatible materials

Avoid contact with combustible 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 product:

SOCOPAC 50S AEROSOL

Acute toxicity

Not classified

Based on available data, the classification criteria are not met

Skin corrosion/irritation

Not classified

Based on available data, the classification criteria are not met

Serious eye damage/irritation

Not classified

Based on available data, the classification criteria are not met

Respiratory or skin sensitisation

Not classified

Based on available data, the classification criteria are not met

Germ cell mutagenicity

Not classified

Based on available data, the classification criteria are not met

Carcinogenicity

Not classified

Based on available data, the classification criteria are not met

Reproductive toxicity

Not classified

Based on available data, the classification criteria are not met

STOT-single exposure

The product is classified: STOT SE 3 H336

STOT-repeated exposure

The product is classified: STOT RE 2 H373

Aspiration hazard

The product is classified: Asp. Tox. 1 H304

Toxicological information of the main substances found in the product:

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

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg - Duration: 4h - Source: OECD 401

Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg - Duration: 24 hours - Source: OECD 402

Test: LC50 - Route: Inhalation - Species: Rat > 4951 mg/m³ - Duration: 4h - Source: OECD 403

**Safety Data Sheet (Regulation (EC) n. 1907/2006 (REACH))
SOCOPAC 50S AEROSOL**

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

Acute toxicity:

Test: LC50 - Route: Inhalation Vapour - Species: Rat > 13.1 mg/l - Duration: 4h

Test: LD50 - Route: Skin - Species: Rat > 3400 mg/kg

Test: LD50 - Route: Oral - Species: Rat > 15000 mg/kg

Reproductive toxicity:

Test: NOAEC - Route: Inhalation - Species: Rat > 300 ppm

(2-Methoxymethylethoxy)-propanol - CAS: 34590-94-8

Acute toxicity

ATE - Oral 5001 mg/kg bw

ATE - Dermal 9510 mg/kg bw

ATE - Inhalation (Vapours) 3,35 mg/l

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit = 9510 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat = 3350 mg/m³ - Notes: aerosol, 7h

Test: ATE - Route: Oral > 5000 mg/kg

Test: ATE - Route: Inhalation Vapour = 3.35 mg/l - Duration: 7h

Test: ATE - Route: Skin = 9510 mg/kg

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

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg

reaction mass of ethylbenzene and xylene - CAS: 1330-20-7

Acute toxicity

ATE - Dermal 1100 mg/kg bw

ATE - Inhalation (Vapours) 11 mg/l

Test: LD50 - Route: Skin = 1100 mg/kg

Test: LC50 - Route: Inhalation Vapour = 11 mg/l

Carcinogenicity:

Test: NOAEL - Route: Oral - Species: Rat > 500 mg/kg bw/day

Reproductive toxicity:

Test: NOAEC - Route: Inhalation - Species: Rat = 500 ppm - Notes: fertilité/fertility

Test: NOAEC - Route: Inhalation - Species: Rat = 100 ppm - Notes:

développement/development

Aspiration hazard:

= 0.812 cP - Notes: @20°C

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

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 2.000 mg/kg

Test: LD50 - Route: Skin - Species: Rat > 2.000 mg/kg

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

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Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg - Source: OECD Test Guideline 401

Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg - Source: OECD Test Guideline 402

Test: LC50 - Route: Inhalation Vapour - Species: Rat > 5000 mg/m3 - Duration: 4h

11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration $\geq 0.1\%$

Other toxicological information:

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

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.

-

Safety Data Sheet (Regulation (EC) n. 1907/2006 (REACH))

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

Eye contact:

May cause mild and transient eye discomfort.

SECTION 12: Ecological information

12.1. Toxicity

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

SOCOPAC 50S AEROSOL

The product is classified: Aquatic Chronic 3 - H412

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

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 1000 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss

Endpoint: EC50 - Species: Algae > 1000 mg/l - Duration h: 72 - Notes: Pseudokirchnerella subcapitata

Endpoint: EC50 - Species: Daphnia > 1000 mg/l - Duration h: 48 - Notes: Daphnia magna

Endpoint: DSEO-R (NOELR) - Species: Algae = 3 mg/l - Duration h: 72 - Notes:

Pseudokirchnerella subcapitata - biomass - OECD 201)

Endpoint: DSEO-R (NOELR) - Species: Algae = 100 mg/l - Duration h: 72 - Notes:

Pseudokirchnerella subcapitata - growth rate - OECD 201)

b) Aquatic chronic toxicity:

Endpoint: DSEO-R (NOELR) - Species: Daphnia = 0.23 mg/l - Duration h: 504 - Notes: Daphnia magna - QSAR Petrotox

Endpoint: DSEO-R (NOELR) - Species: Fish = 0.13 mg/l - Duration h: 672 - Notes: Oncorhynchus mykiss - QSAR Petrotox

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

a) Aquatic acute toxicity:

Endpoint: EL50

- Species: Daphnia > 10 mg/l - Duration h: 48

Endpoint: EL50

- Species: Daphnia < 22 mg/l - Duration h: 48

Endpoint: LC50 - Species: Fish > 10 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss

Endpoint: LC50 - Species: Fish < 30 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss

Endpoint: EL50

- Species: Aquatic plants = 2.3 mg/l - Duration h: 72 - Notes: Pseudokirchnerella subcapitata

Endpoint: EL50

- Species: Microorganisms = 43.98 mg/l - Duration h: 48 - Notes: Tetrahymena pyriformis

b) Aquatic chronic toxicity:

Endpoint: NOEL - Species: Fish = 0.13 mg/l - Duration h: 672 - Notes: Oncorhynchus mykiss

Endpoint: NOEL - Species: Aquatic invertebrates = 0.28 mg/l - Duration h: 504 - Notes: Daphnia magna

(2-Methoxymethylethoxy)-propanol - CAS: 34590-94-8

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 1000 mg/l - Duration h: 96 - Notes: Poecilia reticulata

Endpoint: LC50 - Species: Daphnia > 1000 mg/l - Duration h: 96 - Notes: Crangon crangon

Endpoint: EC50 - Species: Algae > 969 mg/l

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SOCOPAC 50S AEROSOL

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia > 0.5 mg/l - Duration h: 528 - Notes: LOEC: > 0,5 mg/l, 22 days

e) Plant toxicity:

Endpoint: NOEC = 250000 mg/l

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

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 100 mg/l - Duration h: 96 - Notes: Rainbow trout /Truite arc-en-ciel

Endpoint: NOEC - Species: Fish > 100 mg/l - Duration h: 96 - Notes: Rainbow trout /Truite arc-en-ciel

Endpoint: LC0 - Species: Fish > 10000 mg/kg/d - Duration h: 96 - Notes: Cyprinodon variegatus

Endpoint: EC50 - Species: Daphnia > 1000 mg/l - Duration h: 48 - Notes: Daphnia magna

Endpoint: EC50 - Species: Algae > 100.1 mg/l - Duration h: 72 - Notes: Selenestrum capricomutum

Endpoint: EC50 - Species: Microorganisms = 10000 mg/l - Notes: Sludge / boues (0.1 day / 0,1 jour)

reaction mass of ethylbenzene and xylene - CAS: 1330-20-7

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 2.6 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss

Endpoint: IC50 - Species: Aquatic invertebrates = 1 mg/kg/d - Duration h: 24 - Notes: Daphnia magna

Endpoint: EC50 - Species: Aquatic plants = 2.2 mg/l - Duration h: 73 - Notes: Pseudokirchneriella subcapitata

Endpoint: NOEC - Species: activated sludge = 157 mg/l - Duration h: 3

Endpoint: NOEC - Species: Fish > 1.3 mg/l - Duration h: 1344 - Notes: Oncorhynchus mykiss

Endpoint: NOAEL - Species: Aquatic invertebrates = 1.17 mg/l - Duration h: 168 - Notes: 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-méthyl-, 2H-Benzotriazole-2- methanamine, N,N-bis(2-ethylhexyl)-5-méthyl-, N,N-Bis(2-ethylhexyl)-4-méthyl-1H-benzotriazole-1- methylamine and N,N-Bis(2-ethylhexyl)-5-méthyl-1H-benzotriazole-1-méthylamine

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 1.3 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia = 1.4 mg/l - Duration h: 24

Endpoint: EC50 - Species: Algae = 0.976 mg/l - Duration h: 72 - Notes: Desmodesmus subspicatus, taux de croissance

Endpoint: EC10 - Species: Algae = 0.658 mg/l - Duration h: 72 - Notes: Desmodesmus subspicatus, taux de croissance

c) Bacteria toxicity:

Species: bacteria = 69 mg/l - Duration h: 3 - Notes: CI50

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

a) Aquatic acute toxicity:

Endpoint: NOEC - Species: Pseudokirchneriella subcapitata (green algae) > 1000 mg/l - Duration h: 72 - Notes: OECD Test Guideline 201

Safety Data Sheet (Regulation (EC) n. 1907/2006 (REACH))

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Endpoint: EC50 - Species: Daphnia > 1000 mg/l - Duration h: 48 - Notes: OECD Test Guideline 202

Endpoint: LC50 - Species: Rainbow Trout (Oncorhynchus mykiss) > 1000 mg/l - Duration h: 96 - Notes: OECD Test Guideline 203

b) Aquatic chronic toxicity:

Endpoint: NOAEL - Species: Daphnia = 0.18 mg/l - Duration h: 504 - Notes: Daphnia magna

Endpoint: NOAEL - Species: Fish = 0.10 mg/l - Duration h: 672 - Notes: Oncorhynchus mykiss

12.2. Persistence and degradability

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

Biodegradability: Biodegradability rate - Duration: 28 days - %: 80%

Biodegradability: Photodegradation (in air)

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

Biodegradability: Biodegradability rate - Duration: 28 days - %: 74.7

(2-Methoxymethylethoxy)-propanol - CAS: 34590-94-8

Biodegradability: Biodegradability rate - Test: OECD 301F - Duration: 28 days - %: 75

Biodegradability: Biodegradability rate - Test: OECD 302B - Duration: 13 days - %: 93

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

Biodegradability: Non-readily biodegradable - Test: OECD TG 301 D - Duration: 28 days - %: 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-méthyl-, 2H-Benzotriazole-2- methanamine, N,N-bis(2-ethylhexyl)-5-méthyl-, N,N-Bis(2-ethylhexyl)-4-méthyl-1H-benzotriazole-1- methylamine and N,N-Bis(2-ethylhexyl)-5-méthyl-1H-benzotriazole-1-méthylamine

Biodegradability: Non-readily biodegradable

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

Biodegradability: Biodegradability rate - Test: OECD 301F - Duration: 28 days - %: 80

12.3. Bioaccumulative potential

(2-Methoxymethylethoxy)-propanol - CAS: 34590-94-8

Log Pow 1.01

BCF < 100

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

Log Kow 26.22

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

Potentially bioaccumulative.

12.4. Mobility in soil

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

Surface tension 24.7 mN/m - Notes: 25°C

reaction mass of ethylbenzene and xylene - CAS: 1330-20-7

Log Koc 2.73 - Notes: @20-25°C

Volality (H: Henry's Law Constant) 623-665 Pa m³/mol - Notes: @25°C

Surface tension 29.76 mN/m - Notes: @25°C

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

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

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Endocrine disrupting properties

No endocrine disruptor substances present in concentration >= 0.1%

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SOCOPAC 50S AEROSOL

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.

Codes of wastes (Décision 2001/573/EC, Directive 2006/12/EEC, Directive 94/31/EEC on hazardous waste):

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

SECTION 14: Transport information



14.1. UN number or ID number

ADR-UN Number: 1950

IATA-UN Number: 1950

IMDG-UN Number: 1950

14.2. UN proper shipping name

ADR-Shipping Name: AEROSOLS, flammable

IMDG-Shipping Name: AEROSOLS, flammable

14.3. Transport hazard class(es)

ADR-Class: 2

ADR - Hazard identification number: -

IATA-Class: 2.1

IMDG-Class: 2.1

IMDG-Class: 2

14.4. Packing group

ADR-Packing Group: -

IATA-Packing group: -

IMDG-Packing group: -

14.5. Environmental hazards

ADR-Environmental Pollutant: No

IMDG-Marine pollutant: No

IMDG-EmS: F-D , S-U

14.6. Special precautions for user

ADR-Subsidiary hazards: See SP63

ADR-S.P.: 190 327 344 625

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

IATA-Passenger Aircraft: 203

IATA-Subsidiary hazards: See SP63

IATA-Cargo Aircraft: 203

IATA-S.P.: A145 A167 A802

IATA-ERG: 10L

IMDG-Subsidiary hazards: See SP63

IMDG-Stowage and handling: SW1 SW2

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SOCOPAC 50S AEROSOL

IMDG-Segregation: SG69

Q.L.: 1L

Q.E.: E0

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)

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:

Restriction 3

Restriction 40

Restrictions related to the substances contained:

Restriction 75

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:

Safety Data Sheet (Regulation (EC) n. 1907/2006 (REACH))
SOCOPAC 50S AEROSOL

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)

Labelling of detergents (EC Regulations 648/2004 and 907/2006):

N.A.

Labelling of biocides (Regulations 1896/2000, 1687/2002, 2032/2003, 1048/2005, 1849/2006, 1451/2007 and Directive 98/8/EC):

N.A.

N.A.

Where applicable, refer to the following regulatory provisions :

Directive 2003/105/CE ('Activities linked to risks of serious accidents') and subsequent amendments.

1999/13/EC (VOC directive)

Dir. 2004/42/EC (VOC directive)

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

Seveso III category according to Annex 1, part 1

Product belongs to category: P3b

15.2. Chemical safety assessment

No

SECTION 16: Other information

N.A.: Not Applicable or Not Available

Full text of phrases referred to in Section 3:

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.

EUH066 Repeated exposure may cause skin dryness or cracking.

H280 Contains gas under pressure; may explode if heated.

H372 Causes damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

H317 May cause an allergic skin reaction.

H312 Harmful in contact with skin.

H332 Harmful if inhaled.

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H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H360D May damage the unborn child.

H412 Harmful to aquatic life with long lasting effects.

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

This safety data sheet has been completely updated in compliance to Regulation 2020/878.

Safety Data Sheet (Regulation (EC) n. 1907/2006 (REACH))

SOCOPAC 50S AEROSOL

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

CCNL - Appendix 1

Insert further consulted bibliography

Important confidentiality : this document contains confidential information that is proprietary to SOCOMORE. Subject to legal provisions determining otherwise, the distribution, republication or re-transmission of this document, in full or in part, must be limited to clearly identified individuals, either because they use the product, or to provide HSE information. Any communication of this document outside of this framework without our written consent is strictly forbidden.

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.

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

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity Estimate (Mixtures)

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CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
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.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
LTE:	Long-term exposure.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
STOT SE:	May cause drowsiness or dizziness
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK:	German Water Hazard Class.