

**Safety Data Sheet (Regulation (EC) n. 1907/2006 (REACH))  
SOCOSTRIP A4512 ACTIVE**

Regulation (EU) n. 2020/878

**Safety Data Sheet date: 13/3/2025, version 7****SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Trade name: SOCOSTRIP A4512 ACTIVE  
SDS code: P54555EU

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

Recommended use:

Industrial uses

Solvent

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 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:**

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**Competent person responsible for the safety data sheet:**

msdsinformation-eu@socomore.com

**1.4. Emergency telephone number**

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

International : CHEMTEL +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

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

⚠ Warning, Acute Tox. 4, Harmful if swallowed.

⚠ Warning, Acute Tox. 4, Harmful if inhaled.



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Danger, Skin Corr. 1A, Causes severe skin burns and eye damage.

⚠ Danger, Eye Dam. 1, Causes serious eye damage.

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**

Hazard pictograms:



Danger

Hazard statements:

H302+H332 Harmful if swallowed or if inhaled.

H314 Causes severe skin burns and eye damage.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P261 Avoid breathing vapours.

P264 Wash hands thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear protective gloves/clothing and eye/face protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 Call a POISON CENTER if you feel unwell.

Special Provisions:

EUH208 Contains benzothiazole-2-thiol. May produce an allergic reaction.

Contains

formic acid

benzyl alcohol

BENZENESULPHONIC ACID,4-C10-13-SEC-ALKYL DERIVS

BENZYL FORMATE

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  $\geq 0.1\%$

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**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   |
|----------------------|---|---|--|
| >= 20% -<br>< 25%    | benzyl alcohol                                  | Index number:<br>CAS:<br>EC:<br>REACH No.:<br>603-057-00-5<br>100-51-6<br>202-859-9<br>01-<br>2119492630<br>-38 | ⚠ 3.1/4/Inhal Acute Tox. 4 H332<br>⚠ 3.1/4/Oral Acute Tox. 4 H302<br>⚠ 3.3/2 Eye Irrit. 2 H319<br>Acute Toxicity Estimate:<br>ATE - Oral 1620 mg/kg bw   |
| >= 10% -<br>< 12.5%  | BENZENESULPHONIC ACID,4-C10-13-SEC-ALKYL DERIVS | CAS:<br>EC:<br>REACH No.:<br>85536-14-7<br>287-494-3<br>01-<br>2119490234<br>-40                                | ⚠ 3.1/4/Oral Acute Tox. 4 H302<br>⚠ 3.3/1 Eye Dam. 1 H318<br>4.1/C3 Aquatic Chronic 3 H412<br>⚠ 3.2/1B Skin Corr. 1B H314  |
| >= 7% -<br>< 10%     | formic acid                                     | Index number:<br>CAS:<br>EC:<br>REACH No.:<br>607-001-00-0<br>64-18-6<br>200-579-1<br>01-<br>2119491174<br>-37  | ⚠ 2.6/3 Flam. Liq. 3 H226<br>⚠ 3.1/4/Oral Acute Tox. 4 H302<br>⚠ 3.2/1A Skin Corr. 1A H314<br>⚠ 3.1/3/Inhal Acute Tox. 3 H331<br>EUH071<br>Specific Concentration Limits:<br>2% <= C < 10%: Skin Irrit. 2 H315<br>2% <= C < 10%: Eye Irrit. 2 H319<br>10% <= C < 90%: Skin Corr. 1B H314<br>C >= 90%: Skin Corr. 1A H314 |
| >= 3% -<br>< 5%      | BENZYL FORMATE                                  | CAS:<br>EC:<br>REACH No.:<br>104-57-4<br>203-214-4<br>Exempted----<br>----                                      | ⚠ 3.1/4/Dermal Acute Tox. 4 H312<br>⚠ 3.1/4/Oral Acute Tox. 4 H302   |
| >= 0.1% -<br>< 0.25% | benzothiazole-2-thiol                           | Index number:<br>CAS:<br>EC:<br>REACH No.:<br>613-108-00-3<br>149-30-4<br>205-736-8<br>01-<br>2119485805<br>-26 | ⚠ 3.4.2/1 Skin Sens. 1 H317<br>⚠ 4.1/A1 Aquatic Acute 1 H400<br>⚠ 4.1/C1 Aquatic Chronic 1 H410  |

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

In case of skin contact:

Immediately take off all contaminated clothing.

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OBTAIN IMMEDIATE MEDICAL ATTENTION.

Remove contaminated clothing immediately and dispose of safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do NOT induce vomiting.

Give nothing to eat or drink.

In case of Inhalation:

If breathing is irregular or stopped, administer artificial respiration.

In case of inhalation, consult a doctor immediately and show the packing or label.

**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.

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**SECTION 5: Firefighting measures****5.1. Extinguishing media**

Suitable extinguishing media:

Water.

Carbon dioxide (CO<sub>2</sub>).

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.

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**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Wear personal protection equipment.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Provide adequate ventilation.

Use appropriate respiratory protection.

See protective measures under point 7 and 8.

**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.

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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

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

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

Use localized ventilation system.

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

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

### 7.3. Specific end use(s)

None in particular

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Occupational exposure limit values

benzyl alcohol - CAS: 100-51-6

- OEL Type: National - TWA(8h): 22 mg/m<sup>3</sup>, 5 ppm - Notes: Germany - DFG, H, Y,11 (Skin)

- OEL Type: National - TWA: 5 mg/m<sup>3</sup> - Notes: Bulgaria

- OEL Type: National - TWA: 40 mg/m<sup>3</sup> - Notes: Czech Republic

- OEL Type: National - TWA: 45 mg/m<sup>3</sup>, 10 ppm - Notes: Finland

- OEL Type: National - TWA: 5 mg/m<sup>3</sup> - Notes: Latvia

- OEL Type: National - TWA: 5 mg/m<sup>3</sup> - Notes: Lithuania (skin)

- OEL Type: National - TWA: 240 mg/m<sup>3</sup> - Notes: Poland

- OEL Type: National - TWA: 22 mg/m<sup>3</sup>, 5 ppm - STEL: 44 mg/m<sup>3</sup>, 10 ppm - Notes: Slovenia (Potential for cutaneous absorption)

- OEL Type: National - TWA: 22 mg/m<sup>3</sup>, 5 ppm - Notes: Switzerland (Skin notation)

formic acid - CAS: 64-18-6

- OEL Type: National - TWA(8h): 9 mg/m<sup>3</sup>, 5 ppm - Behaviour: Indicative - Notes: France VLEP

- OEL Type: EU - TWA(8h): 9 mg/m<sup>3</sup>, 5 ppm

- OEL Type: ACGIH - TWA(8h): 5 ppm - STEL: 10 ppm - Notes: URT, eye, and skin irr

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## DNEL Exposure Limit Values

benzyl alcohol - CAS: 100-51-6

Worker Industry: 40 mg/kg b.w./day - Consumer: 20 mg/kg b.w./day - Exposure: Human

Dermal - Frequency: Short Term, systemic effects

Worker Industry: 110 mg/m<sup>3</sup> - Consumer: 27 mg/kg b.w./day - Exposure: Human

Inhalation - Frequency: Short Term, systemic effects

Worker Industry: 8 mg/kg b.w./day - Consumer: 4 mg/kg b.w./day - Exposure: Human

Dermal - Frequency: Long Term, systemic effects

Worker Industry: 22 mg/m<sup>3</sup> - Consumer: 5.4 mg/m<sup>3</sup> - Exposure: Human Inhalation -

Frequency: Long Term, systemic effects

Consumer: 20 mg/kg b.w./day - Exposure: Human Oral - Frequency: Short Term, systemic effects

BENZENESULPHONIC ACID,4-C10-13-SEC-ALKYL DERIVS - CAS: 85536-14-7

Worker Industry: 170 mg/kg b.w./day - Consumer: 85 mg/kg b.w./day - Exposure: Human

Dermal - Frequency: Long Term (repeated)

Worker Industry: 12 mg/m<sup>3</sup> - Consumer: 3 mg/m<sup>3</sup> - Exposure: Human Inhalation -

Frequency: Long Term, systemic effects

Worker Industry: 12 mg/m<sup>3</sup> - Consumer: 0.85 mg/kg b.w./day - Exposure: Human Oral -

Frequency: Long Term (repeated)

Consumer: 1.5 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effectsConsumer: 3 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, local effects

Consumer: 42.5 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Consumer: 0.425 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

formic acid - CAS: 64-18-6

Worker Industry: 9.5 mg/m<sup>3</sup> - Consumer: 3 mg/m<sup>3</sup> - Exposure: Human Inhalation -

Frequency: Long Term, systemic effects

Worker Industry: 19 mg/m<sup>3</sup> - Consumer: 9.5 mg/m<sup>3</sup> - Exposure: Human Inhalation -

Frequency: Short Term, systemic effects

Worker Industry: 9.5 mg/m<sup>3</sup> - Consumer: 3 mg/m<sup>3</sup> - Exposure: Human Inhalation -

Frequency: Long Term, local effects

Worker Industry: 19 mg/m<sup>3</sup> - Consumer: 9.5 mg/m<sup>3</sup> - Exposure: Human Inhalation -

Frequency: Short Term, local effects

benzothiazole-2-thiol - CAS: 149-30-4

Consumer: 10 mg/kg b.w./day - Exposure: Human Oral - Frequency: Short Term, systemic effects

Consumer: 1.25 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic effects

Worker Industry: 70.4 mg/m<sup>3</sup> - Consumer: 17.6 mg/m<sup>3</sup> - Exposure: Human Inhalation -

Frequency: Short Term, systemic effects

Worker Industry: 8.8 mg/m<sup>3</sup> - Consumer: 2.2 mg/m<sup>3</sup> - Exposure: Human Inhalation -

Frequency: Long Term, systemic effects

Worker Industry: 5 mg/kg b.w./day - Consumer: 2.5 mg/kg b.w./day - Exposure: Human

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Dermal - Frequency: Long Term, systemic effects

Worker Industry: 40 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Short Term, systemic effects

Consumer: 1.25 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic effects

Consumer: 10 mg/kg b.w./day - Exposure: Human Oral - Frequency: Short Term, systemic effects

**PNEC Exposure Limit Values**

benzyl alcohol - CAS: 100-51-6

Target: Fresh Water - Value: 1 mg/l

Target: Marine water - Value: 0.1 mg/l

Target: PNEC01 - Value: 2.3 mg/l

Target: Soil - Value: 0.456 mg/kg

Target: Freshwater sediments - Value: 5.27 mg/kg

Target: Marine water sediments - Value: 0.527 mg/kg

Target: Microorganisms in sewage treatments - Value: 39 mg/l

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Target: Fresh Water - Value: 0.268 mg/l

Target: Water (intermittent discharge) - Value: 0.0167 mg/l

Target: Marine water - Value: 0.027 mg/l

Target: Marine water sediments - Value: 0.287 mg/kg dw

Target: Freshwater sediments - Value: 0.287 mg/kg dw

Target: Soil - Value: 35 mg/kg dw

Target: Sewage treatment plant - Value: 3.43 mg/l

formic acid - CAS: 64-18-6

Target: Fresh Water - Value: 2 mg/l

Target: Marine water - Value: 0.2 mg/l

Target: Freshwater sediments - Value: 13.4 mg/kg

Target: Marine water sediments - Value: 1.34 mg/kg

Target: Soil (agricultural) - Value: 1.5 mg/kg

Target: Microorganisms in sewage treatments - Value: 7.2 mg/l

Target: Sporadic discharge - Value: 1 mg/l

benzothiazole-2-thiol - CAS: 149-30-4

Target: Sewage treatment plant - Value: 0.3 mg/l

Target: Freshwater sediments - Value: 0.147 mg/kg

Target: Marine water sediments - Value: 0.0147 mg/kg dw

Target: Marine water - Value: 0.00041 mg/l

Target: Fresh Water - Value: 0.0041 mg/l

Target: Soil - Value: 0.27 mg/kg dw

Biological Exposure Index

N.A.

**8.2. Exposure controls**

See below, example of PPE to use.

Eye protection:

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Safety goggles (EN 166)  
 Face protection shield. (EN 166)  
 Use closed fitting safety goggles, don't use eye lens.  
 Protection for skin:  
 Complete head, face and neck protection.  
 Boots (NF EN13832-3)  
 Protection for hands:  
 Suitable gloves type: NF EN374  
 NR (natural rubber, natural latex).  
 NBR (nitrile rubber).  
 PVC (polyvinyl chloride).  
 Butyl rubber (isobutylene-isoprene copolymer)  
 Respiratory protection:  
 Use adequate protective respiratory equipment.  
 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:   | N.A.         | --      | --    |
| Odour:  | N.A.         | --      | --    |
| Melting point/freezing point:                             | N.A.         | --      | --    |
| Boiling point or initial boiling point and boiling range: | 100°C        | --      | --    |
| Flammability:   | N.A.         | --      | --    |
| Lower and upper explosion limit:                          | Not Relevant | --      | --    |
| Flash point (°C):   | 85           | --      | --    |
| Auto-ignition temperature:                                | N.A.         | --      | --    |
| Decomposition temperature:                                | N.A.         | --      | --    |
| pH:   | 0,5          | --      | --    |



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|  |              |    |    |
|--|--------------|----|----|
| Kinematic viscosity:                               | N.A.         | -- | -- |
| Solubility in water:                               | N.A.         | -- | -- |
| Solubility in oil:                                 | N.A.         | -- | -- |
| Partition coefficient n-octanol/water (log value): | N.A.         | -- | -- |
| Vapour pressure:                                   | Not Relevant | -- | -- |
| Density and/or relative density:                   | 1.047        | -- | -- |
| Relative vapour density:                           | Not Relevant | -- | -- |
| Particle characteristics:                          |              |    |    |
| Particle size:                                     | N.A.         | -- | -- |

9.2. Other information

No other relevant information

Volatile Organic compounds - VOCs = 24.8 %

Volatile Organic compounds - VOCs = 260 g/l

N.A. = not available

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**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**

None in particular.

**10.6. Hazardous decomposition products**

None.

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**SECTION 11: Toxicological information**

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

Toxicological information of the product:

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Acute toxicity

The product is classified: Acute Tox. 4 H302; Acute Tox. 4 H332

ATEmix - Oral 1268,29 mg/kg bw

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ATEmix - Dermal 23404,3 mg/kg bw

ATEmix - Inhalation (Mist) 2,79018 mg/l

**Skin corrosion/irritation**

The product is classified: Skin Corr. 1A H314

**Serious eye damage/irritation**

The product is classified: Eye Dam. 1 H318

**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**

Not classified

Based on available data, the classification criteria are not met

**STOT-repeated exposure**

Not classified

Based on available data, the classification criteria are not met

**Aspiration hazard**

Not classified

Based on available data, the classification criteria are not met

**Toxicological information of the main substances found in the product:**

benzyl alcohol - CAS: 100-51-6

**Acute toxicity**

ATE - Oral 1620 mg/kg bw

Test: ATE - Route: Inhalation = 11 mg/l - Duration: 4h

Test: LC50 - Route: Inhalation (dust, mist) - Species: Rat > 4.178 mg/l - Duration: 4h -

Source: OECD 403

Test: LD50 - Route: Oral - Species: Rat (male) = 1620 mg/kg

Test: ATE - Route: Oral = 1620 mg/kg

Test: LD50 - Route: Oral - Species: Rat (Male, female) = 1620 mg/kg - Duration: 4h

**Carcinogenicity:**

Test: NOAEC - Route: Oral - Species: mouse (Male, female) = 400 mg/kg bw/day -

Duration: 104 weeks - Source: OECD 451

**Reproductive toxicity:**

Test: NOAEL - Route: Oral - Species: mouse (Male, female) = 200 mg/kg bw - Duration: 91 days

Test: NOAEL (fertility) - Route: Oral - Species: mouse (Male) = 800 mg/kg - Duration: 91 days

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Test: NOAEL - Route: Oral - Species: Rat (Male, female) = 400 mg/kg bw - Duration: 91 days

STOT-repeated exposure:

Test: NOAEC - Route: Inhalation (aerosol) - Species: Rat (Male, female) = 1072 mg/m<sup>3</sup> - Duration: 28 days - Source: OECD 412

BENZENESULPHONIC ACID,4-C10-13-SEC-ALKYL DERIVS - CAS: 85536-14-7

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 1470 mg/kg

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

STOT-repeated exposure:

Test: NOAEL - Route: Oral - Species: Rat = 125 mg/kg - Duration: 28 days - Notes: gavage oral

Test: NOAEL - Route: Oral - Species: Rat = 40 mg/kg - Notes: 6 mois, alimentation orale

Test: NOAEL - Route: Oral - Species: Rat = 85 mg/kg - Notes: 9 mois, eau administrée oralement

formic acid - CAS: 64-18-6

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 730 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat = 7.4 mg/l - Duration: 4h

Test: LD50 - Route: Skin - Species: Rat = 940 mg/kg

benzothiazole-2-thiol - CAS: 149-30-4

Acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat > 1270 mg/l - Duration: 4h

Test: LD50 - Route: Oral - Species: Rat = 3800 mg/kg

Test: LD50 - Route: Skin - Species: mouse (Male, female) > 7940 mg/kg

Carcinogenicity:

Test: LOAEL

- Route: Oral - Species: Rat = 375 mg/kg bw - Duration: 103 weeks, 5 days/week - Source: OECD 451 - Notes: Male

Test: LOAEC - Route: Oral - Species: Rat = 188 mg/kg bw - Duration: 103 weeks, 5 days/week - Source: OECD 451 - Notes: Female

STOT-repeated exposure:

Test: LOAEL

- Route: Oral - Species: Rat = 2500 ppm - Duration: 70 days - Source: OECD 416 - Notes: Subchronic toxicity

benzyl alcohol - CAS: 100-51-6

LD50 (RABBIT) SKIN SINGLE DOSE: 2000 MG/KG

**11.2. Information on other hazards**

Endocrine disrupting properties:

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

Other toxicological information:

benzyl alcohol

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Skin corrosion / irritation:

Severe eye irritation.

Skin irritation:

Slight irritating effect

Mutagenicity on germ cells (in vitro):

Positive without metabolic activation, OECD 476, Mouse (L5178Y lymphoma cell)

Positive with metabolic activation, Chinese Hamster Ovary (CHO)

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Eye contact:

Severe eye damage

-

benzothiazole-2-thiol

Eye irritation:

Slight irritating effect

Skin sensitization:

May cause skin sensitization.

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**SECTION 12: Ecological information****12.1. Toxicity**

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

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The product is classified: Aquatic Chronic 3 - H412

benzyl alcohol - CAS: 100-51-6

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 460 mg/l - Duration h: 96 - Notes: Pimephales promelas/ EPA OPP 72-1

Endpoint: EC50 - Species: Daphnia = 230 mg/l - Duration h: 48 - Notes: Daphnia magna, OECD 202

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia = 51 mg/l - Duration h: 504 - Notes: Daphnia magna, OECD 211

d) Terrestrial toxicity:

Endpoint: IC50 - Species: Microorganisms = 390 mg/kg - Duration h: 24 - Notes: ISO 8192; Nitrosomas

e) Plant toxicity:

Endpoint: NOEC - Species: Algae = 310 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata, OECD 201

Endpoint: EC50 - Species: Algae = 770 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata, OECD 201

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a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 1.67 mg/l - Duration h: 96 - Notes: Lepomis Macrochirus

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Endpoint: EC50 - Species: Daphnia = 2.9 mg/l - Duration h: 48 - Notes: Daphnia Magna

Endpoint: EC50 - Species: Algae = 47.3 mg/l - Duration h: 72 - Notes: Scenedesmus subspicatus

Endpoint: NOEC - Species: Algae = 2.4 mg/l - Duration h: 72 - Notes: Scenedesmus subspicatus

#### b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish = 0.63 mg/l - Notes: 196J, Pimephales Promelas, LOEC : 1.2 mg/L

Endpoint: NOEC - Species: Daphnia = 1.41 mg/l - Notes: 21J

Endpoint: NOEC - Species: Algae = 3.1 mg/l - Notes: 15J, Chlorella Kessleri, LOEC : 10 mg/L

Endpoint: NOEC - Species: Algae > 4 mg/l - Notes: 28J, Elodea Canadensis

formic acid - CAS: 64-18-6

#### a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 46 mg/l - Duration h: 96 - Notes: Leuciscus idus

Endpoint: EC50 - Species: Daphnia = 32.19 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 26.9 mg/l - Duration h: 72 - Notes: Scenedesmus subspicatus

Endpoint: NOEC - Species: Daphnia > 102 mg/l - Duration h: 504

#### c) Bacteria toxicity:

Endpoint: EC10 - Species: bacteria = 72 mg/l - Duration h: 312 - Notes: Boue activée/activated sludge

Endpoint: EC50 - Species: bacteria = 46.7 mg/l - Duration h: 17

#### f) Effects in sewage plants (activated sludge):

Endpoint: EC20 - Species: Microorganisms > 1000 mg/l - Duration h: 0.5

benzothiazole-2-thiol - CAS: 149-30-4

#### a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 0.71 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 0.25 mg/l - Duration h: 72

Endpoint: LC50 - Species: Fish = 0.73 mg/l - Duration h: 96

Endpoint: LC50 - Species: Daphnia = 4.1 mg/l - Duration h: 96

#### b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia = 0.08 mg/l - Duration h: 504

Endpoint: NOEC - Species: Algae = 0.066 mg/l - Duration h: 72

Endpoint: NOEC - Species: Fish 0.041 mg/l - Duration h: 2136

### 12.2. Persistence and degradability

benzyl alcohol - CAS: 100-51-6

Biodegradability: Biodegradation in water - Test: OECD 301C - Duration: 14 days - %: 92-96 - Notes: OECD 301C

BENZENESULPHONIC ACID,4-C10-13-SEC-ALKYL DERIVS - CAS: 85536-14-7

Biodegradability: Biodegradable - Duration: 28 days - %: 96

formic acid - CAS: 64-18-6

Biodegradability: Readily biodegradable

benzothiazole-2-thiol - CAS: 149-30-4

Biodegradability: Biodegradability rate - Test: OECD 301C - Duration: 14 days - %: 2.5

### 12.3. Bioaccumulative potential

benzyl alcohol - CAS: 100-51-6

BCF 1.37 l/kg

Log Kow 1.05 - Notes: 20°C

benzothiazole-2-thiol - CAS: 149-30-4

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Log Pow - Test: OPPTS 830.7550 2.42 - Notes: pH 7

BCF - Test: OECD 305C < 8 - Duration: 14 days - Notes: Cyprinus carpio (25°C)

**12.4. Mobility in soil**

benzyl alcohol - CAS: 100-51-6

Log Koc 15.7

Volatility (H: Henry's Law Constant) 0.0879 Pa.m<sup>3</sup>/mol

benzothiazole-2-thiol - CAS: 149-30-4

Log Koc 2.51 - 3.55

3,648E-3 Pa·m<sup>3</sup>/mol

**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%

**12.7. Other adverse effects**

No harmful effects expected.

**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):

06 01 06\* other acids

**SECTION 14: Transport information**



**14.1. UN number or ID number**

ADR-UN Number: 3265

IATA-UN Number: 3265

IMDG-UN Number: 3265

**14.2. UN proper shipping name**

ADR-Shipping Name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.  
 (BENZENESULPHONIC ACID,4-C10-13-SEC-ALKYL DERIVS,  
 formic acid ...%)

IATA-Shipping Name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.  
 (BENZENESULPHONIC ACID,4-C10-13-SEC-ALKYL DERIVS,  
 formic acid ...%)

IMDG-Shipping Name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.  
 (BENZENESULPHONIC ACID,4-C10-13-SEC-ALKYL DERIVS,  
 formic acid ...%)

**14.3. Transport hazard class(es)**

ADR-Class: 8

ADR - Hazard identification number: 80

IATA-Class: 8

IATA-Label: 8

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|  |                           |
|--|---------------------------|
| IMDG-Class:  | 8                         |
| <b>14.4. Packing group</b>   |                           |
| ADR-Packing Group:   | II                        |
| IATA-Packing group:  | II                        |
| IMDG-Packing group:  | II                        |
| <b>14.5. Environmental hazards</b>                                   |                           |
| ADR-Environmental Pollutant:   | No                        |
| IMDG-Marine pollutant:   | No                        |
| IMDG-EmS:  | F-A , S-B                 |
| <b>14.6. Special precautions for user</b>                            |                           |
| ADR-Subsidiary hazards:  | -                         |
| ADR-S.P.:  | 274                       |
| ADR-Transport category (Tunnel restriction code):                    | 2 (E)                     |
| IATA-Passenger Aircraft:   | 851                       |
| IATA-Subsidiary hazards:   | -                         |
| IATA-Cargo Aircraft:   | 855                       |
| IATA-S.P.:   | A3 A803                   |
| IATA-ERG:  | 8L                        |
| IMDG-Subsidiary hazards:   | -                         |
| IMDG-Stowage and handling:   | Category B                |
| IMDG-Segregation:  | Clear of living quarters. |
| Q.L.:  | 1L                        |
| Q.E.:  | E2                        |
| <b>14.7. Maritime transport in bulk according to IMO instruments</b> |                           |
|  | N.A.                      |

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## 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)

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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)

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

Restrictions related to the substances contained:

Restriction 40

Restriction 75

Listed or in compliance with the following international inventories:

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

None

**15.2. Chemical safety assessment**

No



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#### SECTION 16: Other information

N.A.: Not Applicable or Not Available

Full text of phrases referred to in Section 3:

- H332 Harmful if inhaled.
- H302 Harmful if swallowed.
- H319 Causes serious eye irritation.
- H318 Causes serious eye damage.
- H412 Harmful to aquatic life with long lasting effects.
- H314 Causes severe skin burns and eye damage.
- H226 Flammable liquid and vapour.
- H331 Toxic if inhaled.
- EUH071 Corrosive to the respiratory tract.
- H315 Causes skin irritation.
- H312 Harmful in contact with skin.
- H317 May cause an allergic skin reaction.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.

| Hazard class and hazard category | Code         | Description                                    |
|----------------------------------|--------------|--|
| Flam. Liq. 3                     | 2.6/3        | Flammable liquid, Category 3                   |
| Acute Tox. 3                     | 3.1/3/Inhal  | Acute toxicity (inhalation), 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        |
| Acute Tox. 4                     | 3.1/4/Oral   | Acute toxicity (oral), Category 4              |
| Skin Corr. 1A                    | 3.2/1A       | Skin corrosion, Category 1A                    |
| Skin Corr. 1B                    | 3.2/1B       | Skin corrosion, Category 1B                    |
| Skin Irrit. 2                    | 3.2/2        | Skin irritation, Category 2                    |
| Eye Dam. 1                       | 3.3/1        | Serious eye damage, Category 1                 |
| Eye Irrit. 2                     | 3.3/2        | Eye irritation, Category 2                     |
| Skin Sens. 1                     | 3.4.2/1      | Skin Sensitisation, Category 1                 |
| Aquatic Acute 1                  | 4.1/A1       | Acute aquatic hazard, category 1               |
| Aquatic Chronic 1                | 4.1/C1       | Chronic (long term) aquatic hazard, category 1 |
| Aquatic Chronic 3                | 4.1/C3       | Chronic (long term) aquatic hazard, category 3 |

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This safety data sheet has been completely updated in compliance to Regulation 2020/878.  
Paragraphs modified from the previous revision:

- SECTION 1: Identification of the substance/mixture and of the company/undertaking
- SECTION 2: Hazards identification
- SECTION 3: Composition/information on ingredients
- SECTION 8: Exposure controls/personal protection
- SECTION 9: Physical and chemical properties
- SECTION 11: Toxicological information
- SECTION 12: Ecological information
- SECTION 14: Transport information
- SECTION 15: Regulatory information
- SECTION 16: Other information

(EC) 1272/2008 [CLP] Yönetmeliğine göre karisimlerin siniflandirmasini elde etmek için kullanılan siniflandirma ve prosedür:

| <b>Classification according to Regulation (EC) Nr. 1272/2008</b> | <b>Classification procedure</b> |
|--|---------------------------------|
| Acute Tox. 4, H302   | Calculation method              |
| Acute Tox. 4, H332   | Calculation method              |
| Skin Corr. 1A, H314  | Calculation method              |
| Eye Dam. 1, H318   | 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

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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)   |
| 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  |

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

WGK: German Water Hazard Class.