

# Safety Data Sheet

## SOCOSTRIP A0212 SR

Safety Data Sheet date: 4/19/2023, version 3

### 1. IDENTIFICATION

#### Product identifier

Mixture identification:

Trade name: SOCOSTRIP A0212 SR

Other means of identification:

SDS code: P50215

#### Recommended use of the chemical and restrictions on use

Recommended use:

Solvent

Industrial uses

Restrictions on use:

No uses advised against are identified.

#### Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

##### 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

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

techdirsocomore@socomore.com

#### Emergency phone number:

CHEMTEL: +1-813-248-0585 (International); 1-800-255-3924 (USA); CANUTEC: 1-613-996-6666 (CANADA)

Socomore Canada Limited - +1-604-420-7707 (Monday-Friday; 7:30 am - 5:00 pm)

### 2. HAZARD(S) IDENTIFICATION

#### Classification of the chemical

Warning, Flam. Liq. 4, Combustible liquid.

⚠ Warning, Met. Corr. 1, May be corrosive to metals.

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

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

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

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

⚠ Warning, Skin Sens. 1, May cause an allergic skin reaction.

#### Label elements

Hazard pictograms:

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Danger

Hazard statements:

- H227 Combustible liquid.
- H290 May be corrosive to metals.
- H302 Harmful if swallowed.
- H332 Harmful if inhaled.
- H314 Causes severe skin burns and eye damage.
- H318 Causes serious eye damage.
- H317 May cause an allergic skin reaction.

Precautionary statements:

- P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- P234 Keep only in original container.
- P260 Do not breathe vapours.
- P261 Avoid breathing vapours.
- P264 Wash hands thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P272 Contaminated work clothing must not be allowed out of the workplace.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P301+P312 IF SWALLOWED: Immediately call a POISON CENTER/doctor if you feel unwell.
- P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
- P302+P352 IF ON SKIN: Wash with plenty of water.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- 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/doctor/... if you feel unwell.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P363 Wash contaminated clothing before reuse.
- P370+P378 In case of fire, use a CO2 fire extinguisher to extinguish.
- P390 Absorb spillage to prevent material damage.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P405 Store locked up.
- P406 Store in corrosive resistant Container with a resistant inner liner.
- P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

None

**Hazards not otherwise classified identified during the classification process:**

None

**Ingredient(s) with unknown acute toxicity:**

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None.

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Substances

N.A.

#### Mixtures

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

>= 30% - < 40% benzyl alcohol

REACH No.: 01-2119492630-38, Index number: 603-057-00-5, CAS: 100-51-6, EC: 202-859-9

⚠ A.1/4/Oral Acute Tox. 4 H302

⚠ A.1/4/Inhal Acute Tox. 4 H332

>= 7% - < 10% BENZYL FORMATE

REACH No.: Exempted-----, CAS: 104-57-4, EC: 203-214-4

⚠ A.1/4/Dermal Acute Tox. 4 H312

⚠ A.1/4/Oral Acute Tox. 4 H302

>= 7% - < 10% formic acid

REACH No.: 01-2119491174-37, Index number: 607-001-00-0, CAS: 64-18-6, EC: 200-579-1

⚠ A.2/1A Skin Corr. 1A H314

⚠ B.6/3 Flam. Liq. 3 H226

⚠ A.1/4/Oral Acute Tox. 4 H302

⚠ A.1/3/Inhal Acute Tox. 3 H331

⚠ A.3/1 Eye Dam. 1 H318

>= 1% - < 3% Tetrapotassium pyrophosphate

REACH No.: 01-2119489369-18, CAS: 7320-34-5, EC: 230-785-7

⚠ A.3/2A Eye Irrit. 2A H319

>= 0.1% - < 0.25% benzothiazole-2-thiol

REACH No.: 01-2119485805-26, Index number: 613-108-00-3, CAS: 149-30-4, EC: 205-736-8

⚠ A.4.2/1 Skin Sens. 1 H317

⚠ US-HAE/A1 Aquatic Acute 1 H400

⚠ US-HAE/C1 Aquatic Chronic 1 H410

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### 4. FIRST-AID MEASURES

#### Description of necessary measures

##### In case of skin contact:

Immediately take off all contaminated clothing.

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:

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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.

#### **Most important symptoms/effects, acute and delayed**

None

#### **Indication of 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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## 5. FIRE-FIGHTING MEASURES

#### **Suitable extinguishing media:**

In case of fire, use a CO2 fire extinguisher to extinguish.

#### **Unsuitable extinguishing media**

None in particular.

#### **Specific hazards arising from the chemical**

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

#### **Hazardous combustion products:**

None

**Explosive properties:** N.A.

**Oxidizing properties:** N.A.

#### **Special protective equipment and precautions for fire-fighters**

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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## 6. ACCIDENTAL RELEASE MEASURES

#### **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.

#### **Methods and materials for containment and cleaning up**

Wash with plenty of water.

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## 7. HANDLING AND STORAGE

#### **Precautions for safe handling**

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

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Do not use on extensive surface areas in premises where there are occupants.

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.

**Conditions for safe storage, including any incompatibilities**

Always keep in a well ventilated place.

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

Do not pour the product into other containers. Always use the original container.

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

Storage temperature:

Store at ambient temperature.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters**

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

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

**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

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

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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

Tetrapotassium pyrophosphate - CAS: 7320-34-5

Worker Professional: 2.79 mg/m<sup>3</sup> - Consumer: 0.68 mg/l - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 70 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic 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 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

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

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Tetrapotassium pyrophosphate - CAS: 7320-34-5

Target: Fresh Water - Value: 0.05 mg/l

Target: Marine water - Value: 0.005 mg/l

Target: Freshwater sediments - Value: 0.5 mg/l - Notes: PNEC aqua (intermittente, eau douce)

Target: Microorganisms in sewage treatments - Value: 50 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

#### Appropriate engineering controls:

None

#### Individual protection measures

Eye protection:

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Properties	Value	Method:	Notes
Physical state:	Liquid	--	--
Colour:	Blue	--	--
Odour:	Pungent (formic acid) / âcre (acide)	--	--

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	formique)		
Odour threshold:	N.A.	--	--
pH:	2.3	--	--
Melting point / freezing point:	Not Relevant	--	--
Initial boiling point and boiling range:	100°C	--	--
Flash Point (°F):	185°F	--	--
Flash point (°C):	85°C	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	N.A.	--	liquid
Upper/lower flammability or explosive limits:	1.3-47.6%	--	--
Vapour pressure:	25 hPa	--	--
Vapour density:	N.A.	--	--
Relative density:	1.04	--	--
Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	>230°C	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	15 000 cps	NF EN ISO 2555 (LV4 12.0 tr/mn)	--
Explosive properties:	N.A.	--	--



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Oxidizing properties:	N.A.	--	--
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#### 9.2. Other information

Properties	Value	Method:	Notes
Miscibility:	N.A.	--	--
Fat Solubility:	N.A.	--	--
Conductivity:	N.A.	--	--
Substance Groups relevant properties	N.A.	--	--

## 10. STABILITY AND REACTIVITY

### Reactivity

Stable under normal conditions

### Chemical stability

Stable under normal conditions

### Possibility of hazardous reactions

None

### Conditions to avoid

Stable under normal conditions.

### Incompatible materials

None in particular.

### Hazardous decomposition products

None.

## 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects

Toxicological information of the product:

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Acute toxicity:

ATEmix - Oral 1095,74 mg/kg bw

ATEmix - Dermal 11077,5 mg/kg bw

ATEmix - Inhalation (Mist) 2,84414 mg/l

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

benzyl alcohol - CAS: 100-51-6

Acute toxicity:

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

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:

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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

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

Test: NOAEL (fertility) - Route: Oral - Species: Rat (Male, female) = 800 mg/kg bw -  
Duration: 91 days

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

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

## STOT-repeated exposure:

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

Test: NOAEL - Route: Oral - Species: Rat (Male, female) = 400 mg/kg - Duration: 103  
weeks, 5 days/week - Source: OECD 451

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

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

Tetrapotassium pyrophosphate - CAS: 7320-34-5

## Acute toxicity:

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

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

Test: LC50 - Route: Inhalation - Species: Rat > 1.1 mg/l

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: Rabbit > 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

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- 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

**Substance(s) listed on the NTP report on Carcinogens:**

None.

**Substance(s) listed on the IARC Monographs:**

benzothiazole-2-thiol - Group 2A.

**Substance(s) listed as OSHA Carcinogen(s):**

None.

**Substance(s) listed as NIOSH Carcinogen(s):**

None.

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**12. ECOLOGICAL INFORMATION****Ecotoxicity**

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

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

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

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f) Effects in sewage plants (activated sludge):

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

Tetrapotassium pyrophosphate - CAS: 7320-34-5

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 100 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia > 100 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae > 100 mg/l - Duration h: 72

Endpoint: EC50 > 1000 mg/l - Duration h: 3 - Notes: Activated sludge

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish = 100 mg/l - Duration h: 96

Endpoint: NOEC - Species: Algae > 100 mg/l - Duration h: 72

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

#### Persistence and degradability

benzyl alcohol - CAS: 100-51-6

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

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

#### 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

Log Pow 2.42

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

#### Mobility in soil

benzyl alcohol - CAS: 100-51-6

Log Koc 15.7

Volality (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

#### Other adverse effects

No harmful effects expected.

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### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment and disposal 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.

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### 14. TRANSPORT INFORMATION



#### UN number

ADR-UN Number: 3265  
 DOT number: UN3265  
 IATA-UN Number: 3265  
 IMDG-UN Number: 3265

#### UN proper shipping name

ADR-Shipping Name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (formic acid)  
 DOT-Shipping Name: Corrosive liquid, acidic, organic, n.o.s.(formic acid ...%, reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]; and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1))  
 IATA-Shipping Name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (formic acid)  
 IMDG-Shipping Name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (formic acid)

#### Transport hazard class(es)

ADR-Class: 8  
 DOT Hazard Class: 8  
 ADR - Hazard identification number: 80  
 IATA-Class: 8  
 IATA-Label: 8  
 IMDG-Class: 8

#### Packing group

ADR-Packing Group: II  
 DOT Packing group: II  
 IATA-Packing group: II  
 IMDG-Packing group: II

#### Environmental hazards

ADR-Environmental Pollutant: No  
 IMDG-Marine pollutant: No

#### Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)

N.A.

#### Special precautions

DOT Special provisions: 148, B2, IB2, T11, TP2, TP27  
 DOT Labels: 8  
 ADR-Subsidiary hazards: -  
 ADR-S.P.: 274

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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-EmS: F-A , S-B  
IMDG-Subsidiary hazards: -  
IMDG-Stowage and handling: Category B SW2  
IMDG-Segregation: -  
Q.L.: 1L  
Q.E.: E2

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## 15. REGULATORY INFORMATION

### USA - Federal regulations

#### TSCA - Toxic Substances Control Act

TSCA inventory: all the components are listed on the TSCA inventory or are not required to be listed on the TSCA.

TSCA sections for substances listed in section 3:

benzyl alcohol is listed in TSCA Section 8b

BENZYL FORMATE is listed in TSCA Section 8b

formic acid is listed in TSCA Section 8b

PYROPHOSPHATE TÉTRAPOTASSIQUE is listed in TSCA Section 8b

benzothiazole-2-thiol is listed in TSCA Section 8d HSDR, Section 8b.

#### SARA - Superfund Amendments and Reauthorization Act

Section 302 Extremely Hazardous Substances: no substances listed.

Section 304 Hazardous substances: formic acid.

Section 313 Toxic chemical list: formic acid, benzothiazole-2-thiol.

#### CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

Substance(s) listed under CERCLA: formic acid - Reportable quantity: 5000 pounds.

Reportable quantity for mixture: 67934.78261 pounds.

#### CAA - Clean Air Act

CAA listed substances:

benzyl alcohol is listed in CAA Section 111, Section 112(b) - HON

formic acid is listed in CAA Section 111, Section 112(b) - HON.

#### CWA - Clean Water Act

CWA listed substances:

formic acid is listed in CWA Section 311.

### USA - State specific regulations

#### California Proposition 65

Substance(s) listed under California Proposition 65:

benzothiazole-2-thiol - Listed as carcinogen.

#### Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

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benzyl alcohol

formic acid.

New Jersey Right to know

Substance(s) listed under New Jersey Right to know:

formic acid

benzothiazole-2-thiol.

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

benzyl alcohol

formic acid.

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:

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**16. OTHER INFORMATION**

Full text of phrases referred to in Section 3:

H302 Harmful if swallowed.

H332 Harmful if inhaled.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H226 Flammable liquid and vapour.

H331 Toxic if inhaled.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Safety Data Sheet date: 4/19/2023, version 3

Disclaimer:

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. The information relates only to the specific material and may not be valid for such material used in combination with any other material or in any process.

This Safety Data Sheet cancels and replaces any preceding release.

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.

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GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
HMIS:	Hazardous Materials Identification System
IARC:	International Agency for Research on Cancer
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.
NFPA:	National Fire Protection Association
NIOSH:	National Institute for Occupational Safety and Health
NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration
PNEC:	Predicted No Effect Concentration.
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.
TWA:	Time-weighted average