

Safety Data Sheet
SOCOSTRIP A 0212

Safety Data Sheet dated 4/28/2020, version 2

1. IDENTIFICATION**Product identifier**

Mixture identification:

Trade name: SOCOSTRIP A 0212

Other means of identification:

SDS code: P50212-NA

Recommended use of the chemical and restrictions on use

Recommended use:

Solvent

Professional uses

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

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Tel: 1-450 641 8500 - Fax: 1-450 655 1717

Competent person responsible for the safety data sheet:

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Emergency phone number:

CHEMTEL: I+1-813-248-0585 (International); 1-800-255-3924 (USA); CANUTEC:

1-613-996-6666 (CANADA)

2. HAZARD(S) IDENTIFICATION**Classification of the chemical**

Warning, Flam. Liq. 4, Combustible liquid.

-  Warning, Acute Tox. 4, Harmful if swallowed.
 -  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.
- Aquatic Acute 3, Harmful to aquatic life.
- Aquatic Chronic 3, Harmful to aquatic life with long lasting effects.

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Label elements

Hazard pictograms:



Danger

Hazard statements:

- H227 Combustible liquid.
- H302 Harmful if swallowed.
- H314 Causes severe skin burns and eye damage.
- H318 Causes serious eye damage.
- H317 May cause an allergic skin reaction.
- H402 Harmful to aquatic life.
- H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

- P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- P260 Do not breathe dust/fume/gas/mist/vapours/spray.
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264 Wash Hands and Eyes Thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P273 Avoid release to the environment.
- 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.
- P310 Immediately call a POISON CENTER/doctor.
- 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 extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P405 Store locked up.
- 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:

None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

N.A.

Mixtures

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

>= 20% - < 25% benzyl alcohol

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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% 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

>= 3% - < 5% 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

>= 1% - < 3% ORANGE, SWEET, EXTRACT

REACH No.: 01-2119493353-35, CAS: 8028-48-6, EC: 232-433-8

 B.6/3 Flam. Liq. 3 H226

 A.2/2 Skin Irrit. 2 H315

 A.4.2/1 Skin Sens. 1 H317

 A.10/1 Asp. Tox. 1 H304

 US-HAE/A1 Aquatic Acute 1 H400

 US-HAE/C1 Aquatic Chronic 1 H410

>= 1% - < 3% PYROPHOSPHATE TETRAPOTASSIQUE

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:

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:

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

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.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

In case of fire: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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: Not Relevant

Oxidizing properties: Not Relevant

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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures

Wear personal protection equipment.
Remove persons to safety.
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.
 Do not use on extensive surface areas in premises where there are occupants.
 Don't use empty container before they have been cleaned.
 Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
 See also section 8 for recommended protective equipment.
 Advice on general occupational hygiene:
 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.
 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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

benzyl alcohol - CAS: 100-51-6
 - OEL Type: National - TWA(8h): 22 mg/m³, 5 ppm - Notes: Germany - DFG, H, Y,11
 formic acid ... % - CAS: 64-18-6
 - OEL Type: National - TWA(8h): 9 mg/m³, 5 ppm - Notes: France VLEI
 - OEL Type: EU - TWA(8h): 9 mg/m³, 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 Professional: 40 mg/kg b.w./day - Consumer: 28.5 - Exposure: Human Dermal - Frequency: Short Term, systemic effects
 Worker Professional: 110 mg/m³ - Consumer: 27 mg/kg b.w./day - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
 Worker Professional: 8 mg/kg b.w./day - Consumer: 5.7 - Exposure: Human Dermal - Frequency: Long Term, systemic effects
 Worker Professional: 22 mg/m³ - Consumer: 5.4 mg/m³ - 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/m³ - Consumer: 3 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
 Worker Industry: 19 mg/m³ - Consumer: 9.5 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
 Worker Industry: 9.5 mg/m³ - Consumer: 3 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects
 Worker Industry: 19 mg/m³ - Consumer: 9.5 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects
 ORANGE, SWEET, EXTRACT - CAS: 8028-48-6

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Worker Professional: 8.89 mg/kg b.w./day - Consumer: 4.44 mg/kg b.w./day -
 Exposure: Human Dermal - Frequency: Long Term, systemic effects
 Worker Professional: 185.8 µg/cm² - Consumer: 92.9 µg/cm² - Exposure: Human
 Dermal - Frequency: Short Term, local effects
 Worker Professional: 31.1 mg/m³ - Consumer: 7.78 mg/m³ - Exposure: Human
 Inhalation - Frequency: Long Term, systemic effects
 Consumer: 4.44 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term,
 systemic effects

PYROPHOSPHATE TETRAPOTASSIQUE - CAS: 7320-34-5

Worker Professional: 2.79 mg/m³ - 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/m³ - Consumer: 17.6 mg/m³ - Exposure: Human Inhalation -
 Frequency: Short Term, systemic effects
 Worker Industry: 8.8 mg/m³ - Consumer: 2.2 mg/m³ - 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 (agricultural) - 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

ORANGE, SWEET, EXTRACT - CAS: 8028-48-6

Target: Fresh Water - Value: 5.4 mg/l
 Target: Marine water - Value: 0.54 mg/l
 Target: PNEC01 - Value: 5.77 mg/l
 Target: Freshwater sediments - Value: 1.3 mg/kg
 Target: Marine water sediments - Value: 0.13 mg/kg
 Target: Soil (agricultural) - Value: 0.261 mg/kg
 Target: Microorganisms in sewage treatments - Value: 2.1 mg/l

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Target: PNEC02 - Value: 13.3 mg/l
 PYROPHOSPHATE TETRAPOTASSIQUE - 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: Soil (agricultural) - Value: 0.0239 mg/kg
 Target: Sewage treatment plant - Value: 0.3 mg/l
 Target: Freshwater sediments - Value: 0.147 mg/kg
 Target: Marine water sediments - Value: 0.00321 mg/kg
 Target: Marine water - Value: 0.00041 mg/l
 Target: Fresh Water - Value: 0.0041 mg/l

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
Appearance and colour:	OPAQUE BLUE GEL	--	--
Odour:	N.A.	--	--
Odour threshold:	N.A.	--	--
pH:	2	--	--
Melting point / freezing point:	Not Relevant	--	--
Initial boiling point and boiling range:	> 100 deg C/ > 212 deg F	--	--
Flash Point (deg F):	185 deg F	--	--
Flash point (deg C):	85 deg C	--	--
Evaporation rate:	Not Relevant	--	--
Solid/gas flammability:	Not Relevant	--	--
Upper/lower flammability or explosive limits:	1.9	--	--
Vapour pressure:	18.2	--	--
Vapour density:	1.1	--	--
Relative density:	1.02	--	--

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Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	42 deg C/800 deg F	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	25000 CPS	--	--
Explosive properties:	Not Relevant	--	--
Oxidizing properties:	Not Relevant	--	--

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:

N.A.

Toxicological information of the main substances found in the product:

benzyl alcohol - CAS: 100-51-6

Acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat > 4178 mg/m³ - Duration: 4h

Test: LD50 - Route: Oral - Species: Rat = 1620 MGKGBWDAY

Test: LOAEL

- Route: Oral - Species: Mouse = 750 mg/kg - Duration: 8 days

Reproductive toxicity:

Test: NOAEL - Route: Oral - Species: Mouse = 550 MGKGBWDAY - Source: 6-15 days

STOT-repeated exposure:

Test: NOAEL - Route: Oral - Species: Rat = 400 MGKGBWDAY

Test: NOAEL - Route: Oral - Species: Mouse = 200 MGKGBWDAY

Test: NOAEL - Route: Inhalation - Species: Rat = 1072 mg/m³

formic acid ... % - CAS: 64-18-6

Acute toxicity:

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

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Test: LC50 - Route: Inhalation - Species: Rat = 7.4 mg/l - Duration: 4h
 Test: LD50 - Route: Skin - Species: Rat = 940 mg/kg
 ORANGE, SWEET, EXTRACT - CAS: 8028-48-6
 Acute toxicity:
 Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg
 Test: LD50 - Route: Skin - Species: Rat > 5000 mg/kg
 STOT-repeated exposure:
 Test: LOAEL
 - Species: Mouse = 1000 MGKGBW/DAY
 PYROPHOSPHATE TETRAPOTASSIQUE - 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 = 188 mg/kg bw - Duration: 103 weeks, 5 days/week -
 Source: OECD 451
 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

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.

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, fresh water, static system

Endpoint: EC50 - Species: Daphnia = 230 mg/l - Duration h: 48

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia = 51 mg/l - Duration h: 504

d) Terrestrial toxicity:

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

e) Plant toxicity:

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Endpoint: NOEC - Species: Algae = 310 mg/l - Duration h: 72 - Notes:

Pseudokirchneriella subcapitata

Endpoint: EC50 - Species: Algae = 770 mg/l - Duration h: 72 - Notes:

Pseudokirchneriella subcapitata

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 activee/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

ORANGE, SWEET, EXTRACT - CAS: 8028-48-6

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 0.67 mg/l - Duration h: 48

Endpoint: LC50 - Species: Fish = 0.7 mg/l - Duration h: 96

Endpoint: EC50 - Species: Algae = 150 mg/l - Duration h: 72 - Notes:

GrunalgeDesmodesmusSub

PYROPHOSPHATE TETRAPOTASSIQUE - 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: MITI modif(I) - Duration: 14 days - %:

92-96 - Notes: OECD 301C

formic acid ... % - CAS: 64-18-6

Biodegradability: Readily biodegradable

ORANGE, SWEET, EXTRACT - CAS: 8028-48-6

Biodegradability: Biodegradability rate - Test: OECD 301B - Duration: 28 days - %: 72 - 83.4

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

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BCF 1.37 l/kg
 Log Kow 1.05 - Notes: 20°C
 ORANGE, SWEET, EXTRACT - CAS: 8028-48-6
 BCF 1.502 - 2.597
 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.m³/mol
 benzothiazole-2-thiol - CAS: 149-30-4
 Log Koc 2.51 - 3.55

Other adverse effects

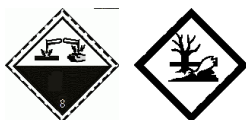
No harmful effects expected.

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.

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 ...%)
 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

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ADR-Environmental Pollutant: Yes
 IMDG-Marine pollutant: Yes
 Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)
 N.A.

Special precautions

DOT Special provisions: B2, IB2, T11, TP2, TP27
 DOT Labels: 8
 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-EmS: F-A , S-B
 IMDG-Subsidiary hazards: -
 IMDG-Stowage and handling: Category B
 IMDG-Segregation: Clear of living quarters.
 Q.L.: 1L
 Q.E.: E2

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

formic acid ... % is listed in TSCA Section 8b

BENZYL FORMATE is listed in TSCA Section 8b

PYROPHOSPHATE TETRAPOTASSIQUE is listed in TSCA Section 8b

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

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: 50403.22581 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:

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benzothiazole-2-thiol - Listed as carcinogen.

Massachusetts Right to know
Substance(s) listed under Massachusetts Right to know:
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:

16. OTHER INFORMATION

Full text of phrases referred to in Section 3:

H302 Harmful if swallowed.
H332 Harmful if inhaled.
H314 Causes severe skin burns and eye damage.
H312 Harmful in contact with skin.
H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H304 May be fatal if swallowed and enters airways.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H319 Causes serious eye irritation.

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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.
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.

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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