

**Safety Data Sheet (Regulation (EC) n. 1907/2006 (REACH))
SOCOSTRIP A4554 - P54554A****Safety Data Sheet dated 18/3/2019, version 4****SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Trade name: SOCOSTRIP A4554
MSDS code: P54554A

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

Recommended use:

Solvent

Industrial uses

Uses advised against:

No uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Company:

SOCOMORE S.A.S.

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

Tel : +33 (0)2 97 43 76 83 - Fax : +33 (0)2 97 54 20 26

Distributor/Manufacturer: Socomore Ireland Ltd. - Meenane, Watergrasshill, Co. Cork, Ireland -

Tel +353 21 4889922 / Fax +353 21 4889923 / ireland@socomore.com

Distributor: Socomore GmbH - c/o MAZARS GmbH - Theodor-Stern-Kai 1 - 60596 Frankfurt am Main - Deutschland - Tel: +49 (0)89 20 70 28 83 - Fax: +49 (0) 89 88 91 98 16

Distributor: Socomore Iberia - Calle Diputació, 260 - 08007 Barcelona - Espana - Tel: +34 917 693 962 - Fax: +34 902 908 966

Dystrybutor : SOCOMORE SPzoo - Ul. Piekna 18, 00-549 Warszawa Polska - Tel : +48 608 454 114 - Fax : +48 (22) 621 61 09

Competent person responsible for the safety data sheet:

techdirsocomore@socomore.com

1.4. Emergency telephone number

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

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

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, Skin Irrit. 2, Causes skin irritation.

⚠ Warning, Eye Irrit. 2, Causes serious eye irritation.

⚠ Warning, STOT RE 2, May cause damage to organs through prolonged or repeated exposure.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Warning

Hazard statements:

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

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

Precautionary statements:

P264 Wash hands thoroughly after handling.

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P270 Do not eat, drink or smoke when using this product.
 P280 Wear protective gloves and eye/face protection.
 P314 Get medical advice/attention if you feel unwell.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

None

Contains

ETHANEDIOL; ETHYLENE GLYCOL
 BENZYL ALCOHOL

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

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

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:

| Qty | Name | Ident. Number | Classification |
|---------------------|---|--|--|
| >= 40% - < 50% | ETHANEDIOL; ETHYLENE GLYCOL | Index number: 603-027-00-1 CAS: 107-21-1 EC: 203-473-3 REACH No.: 01-2119456816-28 | ⚠ 3.1/4/Oral Acute Tox. 4 H302 ⚠ 3.9/2 STOT RE 2 H373 |
| >= 15% - < 20% | BENZYL ALCOHOL | Index number: 603-057-00-5 CAS: 100-51-6 EC: 202-859-9 REACH No.: 01-2119492630-38 | ⚠ 3.1/4/Inhal Acute Tox. 4 H332 ⚠ 3.1/4/Oral Acute Tox. 4 H302 ⚠ 3.3/2 Eye Irrit. 2 H319 |
| >= 10% - < 12.5% | 2-(2-butoxyethoxy) ethanol; diethylene glycol monobutyl ether | Index number: 603-096-00-8 CAS: 112-34-5 EC: 203-961-6 REACH No.: 01-2119475104-44 | ⚠ 3.3/2 Eye Irrit. 2 H319 |
| >= 0.5% - < 1% | POTASSIUM HYDROXIDE | Index number: 019-002-00-8 CAS: 1310-58-3 EC: 215-181-3 REACH No.: 01-2119487136-33 | ⚠ 3.2/1A Skin Corr. 1A H314 ⚠ 3.1/4/Oral Acute Tox. 4 H302 |

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SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

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

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off 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:

Give nothing to eat or drink.

In case of Inhalation:

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

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

None

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

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

Treatment:

No particular treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

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

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

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.

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.

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.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from food, drink and feed.

Incompatible materials:

See section 10.5

Instructions as regards storage premises:

Adequately ventilated premises.

7.3. Specific end use(s)

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

ETHANEDIOL; ETHYLENE GLYCOL - CAS: 107-21-1

- OEL Type: National - TWA(8h): 52 mg/m³, 20 ppm - STEL: 104 mg/m³, 40 ppm - Notes: France VLEI (INRS - TMP N° 84)

- OEL Type: National - TWA(8h): 52 mg/m³, 20 ppm - STEL: 104 mg/m³, 40 ppm - Notes: Belgique(aerosol)

- OEL Type: National - TWA: 26 mg/m³, 10 ppm - Notes: Allemagne

- OEL Type: National - TWA: 52 mg/m³, 20 ppm - STEL: 104 mg/m³, 40 ppm - Notes: UK

- OEL Type: EU - TWA(8h): 52 mg/m³, 20 ppm - STEL: 104 mg/m³, 40 ppm - Notes: Skin

- OEL Type: ACGIH - TWA(8h): 25 ppm - STEL: 50 ppm - Notes: (V), A4 - URT irr

- OEL Type: ACGIH - STEL: 10 mg/m³ - Notes: (I, H), A4 - URT irr

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether - CAS: 112-34-5

- OEL Type: National - TWA(8h): 67.5 mg/m³ - Notes: Germany

- OEL Type: National - TWA(8h): 67.5 mg/m³, 10 ppm - STEL: 101.2 mg/m³, 15 ppm - Notes: France VLEI

- OEL Type: National - TWA(8h): 67.5 mg/m³, 10 ppm - STEL: 101.2 mg/m³, 15 ppm - Notes: UK

- OEL Type: EU - TWA(8h): 67.5 mg/m³, 10 ppm - STEL: 101.2 mg/m³, 15 ppm

- OEL Type: ACGIH - TWA(8h): 10 ppm - Notes: (IFV) - Hematologic, liver and kidney eff

- OEL Type: National - TWA(8h): 50 mg/m³, 9 ppm - STEL: 100 mg/m³, 18 ppm - Notes:

Netherlands

- OEL Type: National - TWA: 67.5 mg/m³, 10 ppm - STEL: 101.2 mg/m³, 15 ppm - Notes:

Belgium

POTASSIUM HYDROXIDE - CAS: 1310-58-3

- OEL Type: Ontario - STEL: 2 mg/m³ - Notes: CANADA

- OEL Type: British Columbia - STEL: 2 mg/m³ - Notes: CANADA

- OEL Type: Alberta - STEL: 2 mg/m³ - Notes: CANADA

- OEL Type: Québec - STEL: 2 mg/m³ - Notes: CANADA

- OEL Type: ACGIH - STEL: Ceiling 2 mg/m³ - Notes: URT, eye, and skin irr

- OEL Type: National - STEL: 2 mg/m³ - Notes: France

- OEL Type: National - STEL: 2 mg/m³ - Notes: Spain

DNEL Exposure Limit Values

ETHANEDIOL; ETHYLENE GLYCOL - CAS: 107-21-1

Worker Professional: 106 mg/kg bw/day - Consumer: 53 mg/kg bw/day - Exposure:

Human Dermal - Frequency: Long Term, systemic effects

Worker Professional: 35 mg/m³ - Consumer: 7 mg/m³ - Exposure: Human Inhalation -

Frequency: Long Term, local effects

BENZYL ALCOHOL - CAS: 100-51-6

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Worker Professional: 40 mg/kg bw/day - Consumer: 28.5 - Exposure: Human Dermal - Frequency: Short Term, systemic effects

Worker Professional: 110 mg/m³ - Consumer: 27 mg/kg bw/day - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Worker Professional: 8 mg/kg bw/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 bw/day - Exposure: Human Oral - Frequency: Short Term, systemic effects

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether - CAS: 112-34-5

Worker Industry: 101 mg/m³ - Consumer: 7.5 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Industry: 20 mg/kg bw/day - Consumer: 10 mg/kg bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 10 ppm - Consumer: 5 mg/kg bw/day - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 10 ppm - Consumer: 5 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects

Consumer: 1.25 - Exposure: Human Oral - Frequency: Long Term, systemic effects

POTASSIUM HYDROXIDE - CAS: 1310-58-3

Worker Industry: 1 mg/m³ - Consumer: 1 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term (repeated)

PNEC Exposure Limit Values

ETHANEDIOL; ETHYLENE GLYCOL - CAS: 107-21-1

Target: Fresh Water - Value: 10 mg/l

Target: Marine water - Value: 1 mg/l

Target: Freshwater sediments - Value: 10 mg/l

Target: Soil (agricultural) - Value: 1.53 mg/kg

Target: Microorganisms in sewage treatments - Value: 20.9 mg/l

Target: PNEC intermittent - Value: 10 mg/l

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

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether - CAS: 112-34-5

Target: Fresh Water - Value: 1 mg/l

Target: Marine water - Value: 0.1 mg/l

Target: Freshwater sediments - Value: 4 mg/l

Target: Marine water sediments - Value: 0.4 mg/l

Target: Soil (agricultural) - Value: 0.4 mg/l

Target: Microorganisms in sewage treatments - Value: 200 mg/l

Biological Exposure Index

8.2. Exposure controls

See below, example of PPE to use.

Eye protection:

Safety goggles (EN 166)

Face protection shield. (EN 166)

Use closed fitting safety goggles, don't use eye lens.

Protection for skin:

Chemical protection clothing. (type 3 - EN14605)

Chemical protection clothing. (type 6 - EN13034)

Boots.

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Protection for hands:
 Suitable gloves type: NF EN374
 NBR (nitrile rubber).

Respiratory protection:
 Not needed for normal use.

Thermal Hazards:
 None

Environmental exposure controls:
 None

Appropriate engineering controls:
 None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Properties | Value | Method: | Notes |
|---|--------------------------------------|------------------------|--------|
| Appearance and colour: | 2 COLOURLESS /YELLOW LAYERS | -- | -- |
| Odour: | N.A. | -- | -- |
| Odour threshold: | N.A. | -- | -- |
| pH: | N.A. | -- | -- |
| Melting point / freezing point: | Not Relevant | -- | -- |
| Initial boiling point and boiling range: | N.A. | -- | -- |
| Flash point (°C): | >130 | ISO 2592 | -- |
| Flash Point (°F): | N.A. | -- | -- |
| Evaporation rate: | N.A. | -- | -- |
| Solid/gas flammability: | N.A. | -- | liquid |
| Upper/lower flammability or explosive limits: | 0.7-15.3% | -- | -- |
| Vapour pressure: | N.A. | -- | -- |
| Vapour density: | N.A. | -- | -- |
| Relative density: | 1.05 | ISO 649, ASTM D1298 | -- |
| Solubility in water: | N.A. | -- | -- |
| Solubility in oil: | N.A. | -- | -- |
| Partition coefficient (n-octanol/water): | N.A. | -- | -- |

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| | | | |
|----------------------------|--------|----|---------------------------|
| Auto-ignition temperature: | >210°C | -- | 2-(2-butoxyethoxy)ethanol |
| Decomposition temperature: | N.A. | -- | -- |
| Viscosity: | N.A. | -- | -- |
| Explosive properties: | N.A. | -- | -- |
| Oxidizing properties: | N.A. | -- | -- |

9.2. Other information

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

Volatile Organic compounds - VOCs = 170 g/l

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.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological information of the product:

N.A.

Toxicological information of the main substances found in the product:

ETHANEDIOL; ETHYLENE GLYCOL - CAS: 107-21-1

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 300 mg/kg

Test: LD50 - Route: Oral < 2000 mg/kg

Test: LD50 - Route: Skin - Species: Mouse = 3500 MGKGBWDAY

Test: LC50 - Route: Inhalation Vapour - Species: Rat > 2.5 mg/l - Notes: 6h

b) skin corrosion/irritation:

Test: NOAEL - Route: Skin - Species: DOG = 2.22 mg/kg - Duration: 28 days - Notes: sub-acute (daily)

d) respiratory or skin sensitisation:

Test: NOAEL - Route: Oral - Species: Rat = 200 mg/kg - Duration: 31 days - Notes:

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- sub-acute (daily)
- f) carcinogenicity:
Test: NOAEL - Route: Oral - Species: Rat = 1000 MGKGBWDAY
- h) STOT-single exposure:
Test: NOAEL - Route: Oral - Species: Rat = 200 MGKGBWDAY - Duration: 33Days -
Notes: no effect
Test: NOAEL - Route: Skin - Species: Rat = 2220 MGKGBWDAY - Duration: 28 days
- BENZYL ALCOHOL - CAS: 100-51-6
- a) 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
- g) reproductive toxicity:
Test: NOAEL - Route: Oral - Species: Mouse = 550 MGKGBWDAY - Source: 6-15 days
- i) 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
- 2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether - CAS: 112-34-5
- a) acute toxicity:
Test: LD50 - Route: Oral - Species: Mouse = 2410 mg/kg bw
Test: LD50 - Route: Skin - Species: Rabbit = 2764 mg/kg bw
Route: Inhalation - Species: Rat > 29 ppm - Duration: 2h - Notes: IRT (inhalation risk test)
- g) reproductive toxicity:
Test: NOAEL - Species: Mouse = 720 MGKGBWDAY - Notes: 14 weeks
- POTASSIUM HYDROXIDE - CAS: 1310-58-3
- a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 273 mg/kg
- BENZYL ALCOHOL - CAS: 100-51-6
LD50 (RABBIT) SKIN SINGLE DOSE: 2000 MG/KG

If not specified in other sections, the information required in Regulation (EU)2015/830 listed below must be considered as not relevant.:

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

Other toxicological information:

ETHANEDIOL; ETHYLENE GLYCOL
Toxicity - repeated exposure:
Category 2, oral, kidney (target organs)
-

BENZYL ALCOHOL
Skin corrosion / irritation:
Severe eye irritation.
Skin irritation:
Slight irritating effect

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Mutagenicity on germ cells (in vitro):

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

Positive with metabolic activation, Chinese Hamster Ovary (CHO)

-

POTASSIUM HYDROXIDE

Harmful if swallowed

Corrosive, causes severe burns

Risk of serious eye damage

Irritating to skin.

Irritating to respiratory tracts

SECTION 12: Ecological information

12.1. Toxicity

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

ETHANEDIOL; ETHYLENE GLYCOL - CAS: 107-21-1

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 72860 mg/l - Duration h: 96 - Notes: Pimephales promelas

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

Endpoint: EC50 - Species: Algae > 6500 mg/l - Duration h: 96 - Notes: Pseudokirchneriella subcapitata

Endpoint: EC20 - Species: activated sludge > 1995 mg/l - Duration h: 0.5

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish = 15380 mg/l - Duration h: 168 - Notes: Pimephales promelas

Endpoint: NOEC - Species: Daphnia = 8590 mg/l - Duration h: 168 - Notes: Ceriodaphnia

c) Bacteria toxicity:

Endpoint: EC50 - Species: bacteria = 225 mg/l - Duration h: 0.5

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:

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

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether - CAS: 112-34-5

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 1300 mg/l - Duration h: 96 - Notes: Lepomis macrochirus

Endpoint: EC50 - Species: Daphnia = 4950 mg/l - Duration h: 48

Endpoint: LC50 - Species: Daphnia = 13415 mg/l - Duration h: 96 - Notes: Americamysis bahia

Endpoint: EC50 - Species: Algae > 100 mg/l - Duration h: 96 - Notes: Desmodesmus subspicatus

Endpoint: EC10 - Species: Microorganisms > 1995 mg/l - Duration h: 0.5

c) Bacteria toxicity:

Endpoint: EC50 - Species: bacteria > 100 mg/l

POTASSIUM HYDROXIDE - CAS: 1310-58-3

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Daphnia = 270 mg/l - Duration h: 24

Endpoint: LC50 - Species: Fish = 44 mg/l - Duration h: 24 - Notes: Gambusia affinis, Poeciliidae

12.2. Persistence and degradability

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ETHANEDIOL; ETHYLENE GLYCOL - CAS: 107-21-1

Biodegradability: Biodegradation in water - Test: N.A. - Duration: 10 days - %: 90-100 - Notes: N.A.

BENZYL ALCOHOL - CAS: 100-51-6

Biodegradability: Biodegradation in water - Test: MITI modif(I) - Duration: 14 days - %: 92-96 - Notes: OECD 301C

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether - CAS: 112-34-5

Biodegradability: Photodegradation (in air) - Test: DT50 - Duration: 3-4 hours - %: N.A. - Notes: 1.5×10^6 /cm³, AOPWIN

Biodegradability: Biodegradation in water - Test: MITI modif(I) - Duration: 28 days - %: >80 - Notes: OECD 301C

12.3. Bioaccumulative potential

ETHANEDIOL; ETHYLENE GLYCOL - CAS: 107-21-1

Log Pow - Test: N.A. -1.36 - Duration: N.A. - Notes: N.A.

BENZYL ALCOHOL - CAS: 100-51-6

BCF - Test: N.A. 1.37 l/kg - Duration: N.A. - Notes: N.A.

Log Kow - Test: N.A. 1.05 - Duration: N.A. - Notes: 20°C

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether - CAS: 112-34-5

Log Pow - Test: N.A. 1 - Duration: N.A. - Notes: 20°C

12.4. Mobility in soil

ETHANEDIOL; ETHYLENE GLYCOL - CAS: 107-21-1

Log Koc - Test: N.A. 0 - Duration: N.A. - Notes: N.A.

Volality (H: Henry's Law Constant) - Test: N.A. 0.1327 Pa.m³/mol - Duration: N.A. - Notes: SRC HENRYWIN v3.10

BENZYL ALCOHOL - CAS: 100-51-6

Log Koc - Test: N.A. 15.7 - Duration: N.A. - Notes: N.A.

Volality (H: Henry's Law Constant) - Test: N.A. 0.0879 Pa.m³/mol - Duration: N.A. - Notes: N.A.

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether - CAS: 112-34-5

Volality (H: Henry's Law Constant) - Test: N.A. 0 atm m³/mol - Duration: N.A. - Notes: 25°C

Surface tension - Test: N.A. 0.0069 N/m - Duration: N.A. - Notes: 20°C

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. 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):

14 06 03* Other solvents and solvent mixtures

SECTION 14: Transport information

14.1. UN number

Not classified as dangerous in the meaning of transport regulations.

14.2. UN proper shipping name

N.A.

14.3. Transport hazard class(es)

N.A.

14.4. Packing group

N.A.

14.5. Environmental hazards

ADR-Enviromental Pollutant: No

IMDG-Marine pollutant: No

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14.6. Special precautions for user

N.A.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

N.A.

SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) 2015/830
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)

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 55

Listed or in compliance with the following international inventories:

N.A.

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

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

SECTION 16: Other information

N.A.: Not Applicable or Not Available

Full text of phrases referred to in Section 3:

H302 Harmful if swallowed.

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

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H332 Harmful if inhaled.
H319 Causes serious eye irritation.
H314 Causes severe skin burns and eye damage.

| Hazard class and hazard category | Code | Description |
|----------------------------------|-------------|--|
| 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 Irrit. 2 | 3.2/2 | Skin irritation, Category 2 |
| Eye Irrit. 2 | 3.3/2 | Eye irritation, Category 2 |
| STOT RE 2 | 3.9/2 | Specific target organ toxicity - repeated exposure, Category 2 |

Paragraphs modified from the previous revision:

SECTION 3: Composition/information on ingredients
SECTION 8: Exposure controls/personal protection
SECTION 9: Physical and chemical properties
SECTION 15: Regulatory information
SECTION 16: Other information

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

| Classification according to Regulation (EC) Nr. 1272/2008 | Classification procedure |
|---|--------------------------|
| Acute Tox. 4, H302 | Calculation method |
| Skin Irrit. 2, H315 | Calculation method |
| Eye Irrit. 2, H319 | Calculation method |
| STOT RE 2, H373 | 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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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 |
| TWATLV: | Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard). |
| WGK: | German Water Hazard Class. |