

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

KEMSTRIP-596

Safety Data Sheet dated 19/11/2020, version 4

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name: KEMSTRIP-596
SDS code: P54010
UFI: SDM5-2N7V-F058-HNHM

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

Recommended use:

Solvent
Cleaner
Industrial uses

Uses advised against:

No uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Manufacturers:

Socomore SASU

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

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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.
- ⚠ Danger, Skin Corr. 1B, Causes severe skin burns and eye damage.
- ⚠ Danger, Eye Dam. 1, Causes serious eye damage.
- ⚠ Danger, Repr. 1B, May damage fertility or the unborn child in contact with skin and if swallowed.

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⚠ Warning, STOT SE 3, May cause respiratory irritation.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Danger

Hazard statements:

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H360 May damage fertility or the unborn child in contact with skin and if swallowed.

H335 May cause respiratory irritation.

Precautionary statements:

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P280 Wear protective gloves 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.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P312 Call a POISON CENTER if you feel unwell.

Special Provisions:

None

Contains

N-methyl-2-pyrrolidone; 1-methyl-2-pyrrolidone

2-phenoxyethanol

2-AMINOETHANOL

ALKYL ALCOHOLS (C10) ETHOXYLATES

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

Restricted to professional users.

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

SECTION 2: Hazards identification

The product is harmful following acute exposure to it and poses a serious health threat if ingested.

The product is corrosive and, if brought into contact with the skin, causes burning, with the destruction of the entire thickness of skin tissue.

If inhaled, the product causes irritation in the airways.

This product is toxic - it can be injurious to the foetus.

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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:

Qty	Name	Ident. Number	Classification
>= 30% - < 40%	2-phenoxyethanol	Index number: CAS: EC: REACH No.: 603-098-00-9 122-99-6 204-589-7 01-2119488943-21	 3.3/2 Eye Irrit. 2 H319  3.1/4/Oral Acute Tox. 4 H302
>= 20% - < 25%	2-AMINOETHANOL	CAS: EC: 141-43-5 205-483-3	 3.1/4/Inhal Acute Tox. 4 H332  3.8/3 STOT SE 3 H335  3.1/4/Dermal Acute Tox. 4 H312  3.1/4/Oral Acute Tox. 4 H302  3.2/1B Skin Corr. 1B H314 4.1/C3 Aquatic Chronic 3 H412
>= 15% - < 20%	N-methyl-2-pyrrolidone; 1-methyl-2-pyrrolidone	Index number: CAS: EC: 606-021-00-7 872-50-4 212-828-1	 3.7/1B Repr. 1B H360D  3.8/3 STOT SE 3 H335  3.2/2 Skin Irrit. 2 H315  3.3/2 Eye Irrit. 2 H319
>= 5% - < 7%	ALKYL ALCOHOLS (C10) ETHOXYLATES	CAS: EC: REACH No.: 68439-46-3 614-482-0 Exempted---- ----	 3.1/4/Oral Acute Tox. 4 H302  3.3/1 Eye Dam. 1 H318

SVHC Substances:

>= 15% - < 20% N-methyl-2-pyrrolidone; 1-methyl-2-pyrrolidone

Index number: 606-021-00-7, CAS: 872-50-4, EC: 212-828-1

Substance SVHC

SECTION 4: First aid measures

4.1. Description of first aid 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.

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Protect uninjured eye.

In case of Ingestion:

Do NOT induce vomiting.

Give nothing to eat or drink.

In case of Inhalation:

In case of inhalation, consult a doctor immediately and show him 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.

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.

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.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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Avoid contact with skin and eyes, inhalation of vapours and mists.
Exercise the greatest care when handling or opening the container.
Use localized ventilation system.
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.

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values

2-AMINOETHANOL - CAS: 141-43-5

- OEL Type: National - TWA(8h): 0.5 mg/m³ - Notes: Germany- DFG, EU, Y, Sh, H, 11

- OEL Type: National - TWA(8h): 2.5 mg/m³, 1 ppm - STEL: 7.6 mg/m³, 3 ppm - Notes:

France VLEC - TMP N° 49, 49 Bis

- OEL Type: EU - TWA(8h): 2.5 mg/m³, 1 ppm - STEL: 7.6 mg/m³, 3 ppm - Notes: Skin

- OEL Type: ACGIH - TWA(8h): 3 ppm - STEL: 6 ppm - Notes: Eye and skin irr

- OEL Type: National - TWA(8h): 2.5 mg/m³, 0.98 ppm - STEL: 7.6 mg/m³, 3 ppm -

Notes: Netherland

- OEL Type: National - TWA(8h): 2.5 mg/m³, 1 ppm - STEL: 7.6 mg/m³, 3 ppm - Notes:

Belgium

- OEL Type: National - TWA(8h): 2.5 mg/m³, 1 ppm - STEL: 7.6 mg/m³, 3 ppm - Notes:

UK

N-methyl-2-pyrrolidone; 1-methyl-2-pyrrolidone - CAS: 872-50-4

- OEL Type: National - TWA(8h): 40 mg/m³, 10 ppm - STEL: 80 mg/m³, 20 ppm - Notes:

France INRS VLEI - peau

- OEL Type: National - TWA(8h): 100 mg/m³ - Notes: Germany - notes DFG, Y

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

UK

- OEL Type: EU - TWA(8h): 40 mg/m³, 10 ppm - STEL: 80 mg/m³, 20 ppm - Notes: Skin

DNEL Exposure Limit Values

2-phenoxyethanol - CAS: 122-99-6

Worker Professional: 17.43 mg/kg b.w./day - Exposure: Human Oral - Frequency: Short Term (acute)

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Worker Professional: 2.41 mg/m³ - Consumer: 8.07 mg/m³ - Exposure: Human Inhalation
- Frequency: Long Term, local effects

Worker Professional: 2.41 mg/m³ - Consumer: 8.07 mg/m³ - Exposure: Human Inhalation
- Frequency: Long Term, systemic effects

Worker Professional: 17.43 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long
Term, systemic effects

Worker Professional: 20.83 mg/kg b.w./day - Consumer: 34.72 mg/kg b.w./day - Exposure:
Human Dermal - Frequency: Long Term, systemic effects

2-AMINOETHANOL - CAS: 141-43-5

Worker Industry: 1 mg/kg - Consumer: 0.24 mg/kg - Exposure: Human Dermal -
Frequency: Long Term, systemic effects

Worker Industry: 3.3 mg/m³ - Consumer: 2 mg/m³ - Exposure: Human Inhalation -
Frequency: Long Term, local effects

Consumer: 3.75 mg/kg - Exposure: Human Oral - Frequency: Long Term, local effects

N-methyl-2-pyrrolidone; 1-methyl-2-pyrrolidone - CAS: 872-50-4

Worker Industry: 14.4 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term,
systemic effects

Worker Industry: 40 mg/m³ - Consumer: 4.5 mg/m³ - Exposure: Human Inhalation -
Frequency: Long Term, local effects

Worker Industry: 4.8 mg/kg b.w./day - Consumer: 2.4 mg/kg b.w./day - Exposure: Human
Dermal - Frequency: Long Term, systemic effects

Consumer: 0.85 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term,
systemic effects

Worker Industry: 1.371 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Long
Term, systemic effects - Notes: RCR 0.285714 / PROC10 (Easy TRA)

Worker Industry: 4.13 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term,
systemic effects - Notes: RCR 0.286838 / PROC10 (Easy TRA)

Worker Industry: 4.13 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local
effects - Notes: RCR 0.103262 / PROC10 (Easy TRA)

Worker Industry: 1.961 mg/kg b.w./day - Exposure: Combined routes - Notes: RCR
0.572552 / PROC10 (Easy TRA)

PNEC Exposure Limit Values

2-phenoxyethanol - CAS: 122-99-6

Target: Fresh Water - Value: 0.943 mg/l

Target: Marine water - Value: 0.094 mg/l

Target: Freshwater sediments - Value: 7.23 mg/kg

Target: Marine water sediments - Value: 0.723 mg/kg

Target: Microorganisms in sewage treatments - Value: 24.8 mg/l

Target: Soil (agricultural) - Value: 1.26 mg/kg

Target: Water (intermittent discharge) - Value: 3.44 mg/l

2-AMINOETHANOL - CAS: 141-43-5

Target: Fresh Water - Value: 0.085 mg/l

Target: Marine water - Value: 0.0085 mg/l

Target: Freshwater sediments - Value: 0.425 mg/l

Target: Marine water sediments - Value: 0.0425 mg/l

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Target: Microorganisms in sewage treatments - Value: 100 mg/l
 Target: Soil (agricultural) - Value: 0.035 mg/kg
 Target: PNEC intermittent - Value: 0.025 mg/l
 N-methyl-2-pyrrolidone; 1-methyl-2-pyrrolidone - CAS: 872-50-4
 Target: Fresh Water - Value: 0.25 mg/l
 Target: Freshwater sediments - Value: 1.025 mg/kg dw
 Target: Sewage treatment plant - Value: 10 mg/l
 Target: Soil (agricultural) - Value: 0.07 mg/kg dw

Biological Exposure Index
 N.A.

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 (NF EN13832-3)

Protection for hands:

Suitable gloves type: NF EN374

NR (natural rubber, natural latex).

PVC (polyvinyl chloride).

PVA (Polyvinyl alcohol).

Respiratory protection:

Use adequate protective respiratory equipment.

Mask with filter "A1" , brown colour (NF EN14387)

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
Appearance and colour:	2 COLOURLESS /YELLOW LAYERS	--	--
Odour:	N.A.	--	--

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Odour threshold:	N.A.	--	--
pH:	12.4	ISO 4316, ASTM E70	--
Melting point / freezing point:	Not Relevant	--	--
Initial boiling point and boiling range:	100°C	--	--
Flash point (°C):	149 °C	EN ISO 2719	--
Flash Point (°F):	300.2°F	--	--
Evaporation rate:	Not Relevant	--	--
Solid/gas flammability:	Not Relevant	--	--
Upper/lower flammability or explosive limits:	Not Relevant	--	--
Vapour pressure:	N.A.	--	--
Vapour density:	N.A.	--	--
Relative density:	1.03	--	--
Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	343 °C / 650 °F	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	N.A.	--	--
Explosive properties:	Not Relevant	--	--
Oxidizing properties:	Not Relevant	--	--

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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.	--	--

Volatile Organic compounds - VOCs = 430 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:

2-phenoxyethanol - CAS: 122-99-6

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 1.840 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 2.214 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat = 1 mg/l - Notes: aerosol

2-AMINOETHANOL - CAS: 141-43-5

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 1089 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 1000 mg/kg

Test: LC50 - Route: Inhalation Dust > 1 mg/l - Duration: 4h

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Reproductive toxicity:

Test: NOAEL - Species: Rat = 225 MGKGBWDAY - Notes: development

Test: NOAEL - Species: Rat = 300 MGKGBWDAY - Notes: fertility

STOT-single exposure:

Test: C - Route: Inhalation Dust > 5 mg/l - Duration: 4h

STOT-repeated exposure:

Test: NOAEL - Route: Oral - Species: Rat = 300 mg/kg/d - Duration: > 75 days - Source: OECD 416, Experimental value - Notes: Effect: Body weight, weight of organs, consumption food

Test: NOAEC - Route: Inhalation - Species: Rat = 10 mg/m³ - Duration: 4 weeks (daily, 5 days/week) - Source: OECD 412, Experimental value - Notes: Effect: Lesions to the larynx, trachea and lungs

Test: NOEC - Route: Inhalation - Species: Rabbit = 150 mg/m³ - Duration: 4 weeks (daily, 5 days/week) - Source: OECD 412, Experimental value - Notes: No adverse systemic effects

N-methyl-2-pyrrolidone; 1-methyl-2-pyrrolidone - CAS: 872-50-4

Reproductive toxicity:

Test: LOAEL

- Route: Inhalation - Species: Rat = 0.68 mg/l

Test: LOAEL

- Route: Oral - Species: Rat = 50 mg/kg bw

Test: LOAEL

- Route: Oral - Species: Rat = 50 mg/kg bw

Test: LOAEL

- Route: Skin - Species: Rat = 237 mg/kg bw

Test: LOAEL

- Route: Oral - Species: Rat = 160 mg/kg bw

STOT-repeated exposure:

Test: NOAEL - Route: Inhalation - Species: Rat = 0.5 mg/l - Duration: 33Days

Test: NOAEL - Route: Oral - Species: Rat = 250 mg/kg bw - Duration: 90 Jours

Test: NOAEL - Route: Oral - Species: Rat = 2.06 mg/kg bw - Duration: 33Days

Test: NOAEL - Route: Oral - Species: Rat = 1.057 mg/kg bw - Duration: 90 Jours

Test: NOAEL - Route: Oral - Species: Mouse = 300 mg/kg bw - Duration: 90 Jours

ALKYL ALCOHOLS (C10) ETHOXYLATES - CAS: 68439-46-3

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 1000 mg/kg

Test: LD50 - Route: Skin - Species: Rat > 4000 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 0.22 mg/l

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

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

2-phenoxyethanol - CAS: 122-99-6

LD50 (RABBIT) SKIN: 5000 MG/KG

If not specified in other sections, the information required in Regulation (EU)2015/830 listed below must

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be considered as not relevant.:

- Acute toxicity;
- Skin corrosion/irritation;
- Serious eye damage/irritation;
- Respiratory or skin sensitisation;
- Germ cell mutagenicity;
- Carcinogenicity;
- Reproductive toxicity;
- STOT-single exposure;
- STOT-repeated exposure;
- Aspiration hazard.

Other toxicological information:

2-phenoxyethanol

Moderate eye irritation, mild corneal lesions

Prolonged exposure should not cause significant skin irritation. May cause a more severe reaction if skin is covered (under clothing or gloves).

Repeated-dose toxicity:

Animals, effects on the following organs: Blood. Kidneys. Liver. Thyroid. Respiratory tract.

-

2-AMINOETHANOL

Low subchronic toxicity by dermal, oral and inhalation routes.

Skin corrosion / irritation (rabbit):

Corrosive

Severe eye injury/irritation (rabbit):

Irritating effect

-

ALKYL ALCOHOLS (C10) ETHOXYLATES

Eye contact:

Severe eye irritation.

Ingestion:

Harmful if swallowed

Stomach pain

Inhalation - May irritate respiratory tracts.

Skin contact:

Pain or irritation, redness

Eye contact:

Pain or irritation, tearing, redness

SECTION 12: Ecological information

12.1. Toxicity

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

2-phenoxyethanol - CAS: 122-99-6

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a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 344 mg/l - Duration h: 96 - Notes: Pimephales promelas

Endpoint: EC50 - Species: Daphnia > 500 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae > 500 mg/l - Duration h: 72 - Notes: Desmodesmus subspicatus

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish = 23 mg/l - Duration h: 816 - Notes: Pimephales promelas, LOEC:50 mg/l

Endpoint: NOEC - Species: Daphnia = 9.43 mg/l - Duration h: 504 - Notes: LOEC: 22,5 mg/l

2-AMINOETHANOL - CAS: 141-43-5

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 349 mg/l - Duration h: 96 - Notes: Cyprinus carpio

Endpoint: NOEC - Species: Fish = 1.2 mg/l - Duration h: 720 - Notes: Oryzias latipes

Endpoint: EC50 - Species: Daphnia = 65 mg/l - Duration h: 48

Endpoint: NOEC - Species: Daphnia = 0.85 mg/l - Duration h: 504

Endpoint: NOEC - Species: Algae = 1 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata

Endpoint: EC50 - Species: Algae = 2.5 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata

c) Bacteria toxicity:

Endpoint: EC50 - Species: bacteria > 1000 mg/l

N-methyl-2-pyrrolidone; 1-methyl-2-pyrrolidone - CAS: 872-50-4

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 495 mg/l - Duration h: 96

Endpoint: NOEC - Species: Daphnia = 12.5 mg/l - Duration h: 504

Endpoint: EC50 - Species: Algae = 673 mg/l - Duration h: 72

Endpoint: EC50 - Species: Daphnia = 4.897 mg/l - Duration h: 48

Endpoint: EC50 - Species: Daphnia = 1.107 mg/l - Duration h: 96

Endpoint: NOEC - Species: Algae = 125 mg/l - Duration h: 72

Endpoint: EC50 - Species: Algae = 600.5 mg/l - Duration h: 72

ALKYL ALCOHOLS (C10) ETHOXYLATES - CAS: 68439-46-3

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 11 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss

Endpoint: EC50 - Species: Daphnia = 5.3 mg/l - Duration h: 48 - Notes: Daphnia magna

Endpoint: EC50 - Species: Algae > 8.9 mg/l - Duration h: 72

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish = 1.47 mg/l - Duration h: 672 - Notes: Vairon à grosse tête

Endpoint: EC10 - Species: Daphnia = 2.579 mg/l - Duration h: 504 - Notes: Daphnia magna

c) Bacteria toxicity:

Endpoint: EC50 - Species: bacteria > 10 mg/l - Duration h: 72 - Notes: Bacille Pseudomonas putida)):

d) Terrestrial toxicity:

Endpoint: LC50 > 1000 mg/kg - Duration h: 336 - Notes: Eisenia fetida

e) Plant toxicity:

Endpoint: NOEC > 100 mg/kg - Duration h: 456

12.2. Persistence and degradability

2-phenoxyethanol - CAS: 122-99-6

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Biodegradability: Biodegradability rate - Duration: 28 days - %: 90

2-AMINOETHANOL - CAS: 141-43-5

Biodegradability: Biodegradability rate - Duration: 21 days - %: > 90

ALKYL ALCOHOLS (C10) ETHOXYLATES - CAS: 68439-46-3

Biodegradability: Dissolved organic carbon - %: 80 - Notes: Method: OCDE - 301C

Biodegradability: Porous crucible, Active substance bismut - %: 97

Biodegradability: Manometer Breathing - Test: EU 301F - Duration: 28 days - %: 81.4

12.3. Bioaccumulative potential

2-phenoxyethanol - CAS: 122-99-6

Log Pow 1.2

BCF 0.35

2-AMINOETHANOL - CAS: 141-43-5

Log Pow -1.91

12.4. Mobility in soil

2-phenoxyethanol - CAS: 122-99-6

Log Koc 40.70

Volality (H: Henry's Law Constant) 2,0E-07 atm*m3/mole - Notes: 25°C, measured

2-AMINOETHANOL - CAS: 141-43-5

Log Koc 1.17

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):

06 02 05* other bases

SECTION 14: Transport information



14.1. UN number

ADR-UN Number: 3267

IATA-UN Number: 3267

IMDG-UN Number: 3267

14.2. UN proper shipping name

ADR-Shipping Name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.
(2-AMINOETHANOL, 2-phenoxyethanol)

IATA-Shipping Name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.
(2-AMINOETHANOL, 2-phenoxyethanol)

IMDG-Shipping Name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.
(2-AMINOETHANOL, 2-phenoxyethanol)

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14.3. Transport hazard class(es)

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

14.4. Packing group

ADR-Packing Group:	III
IATA-Packing group:	III
IMDG-Packing group:	III

14.5. Environmental hazards

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

14.6. Special precautions for user

ADR-Subsidiary hazards:	-
ADR-S.P.:	274
ADR-Transport category (Tunnel restriction code):	3 (E)
IATA-Passenger Aircraft:	852
IATA-Subsidiary hazards:	-
IATA-Cargo Aircraft:	856
IATA-S.P.:	A3 A803
IATA-ERG:	8L
IMDG-EmS:	F-A , S-B
IMDG-Subsidiary hazards:	-
IMDG-Stowage and handling:	Category A
IMDG-Segregation:	Clear of living quarters. "Separated from" acids.
Q.L.:	5L
Q.E.:	E1

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)

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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)

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 28

Restriction 30

Restriction 71

Restriction 72

Listed or in compliance with the following international inventories:

N.A.

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.

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)

SVHC Substances:

Substances in candidate list (Art. 59 Reg. 1907/2006, REACH):

N-methyl-2-pyrrolidone; 1-methyl-2-pyrrolidone

Toxic to reproduction

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:

H319 Causes serious eye irritation.

H302 Harmful if swallowed.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H412 Harmful to aquatic life with long lasting effects.

H360D May damage the unborn child.

H315 Causes skin irritation.

H318 Causes serious eye damage.

Hazard class and hazard category	Code	Description
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. 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
Repr. 1B	3.7/1B	Reproductive toxicity, Category 1B
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3
Aquatic Chronic 3	4.1/C3	Chronic (long term) aquatic hazard, category 3

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

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Skin Corr. 1B, H314	On basis of test data (pH)
Eye Dam. 1, H318	On basis of test data (pH)
Repr. 1B, H360	Calculation method
STOT SE 3, H335	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.

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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.