

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

SkyRestore 306 by Elixair Cured Sealant Remover - P28301

Regulation (EU) n. 2020/878

Safety Data Sheet date: 22/11/2022, version 9

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

1.1. Product identifier

Trade name: SkyRestore 306 by Elixair Cured Sealant Remover
SDS code: P28301
UFI: F2KC-4J2J-EM2U-NRDF

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

Recommended use:

Cleaner

Industrial uses

Uses advised against:

No uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Dysol Inc. - 5475 E. State Highway 114, Rhome Texas, 76078 / Phone: 1-817-335-1826 /
csr-na@socomore.com/ Fax Number: 817-335-2405

Distributors:

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

Socomore Ireland Ltd. - Meenane, Watergrasshill, Co. Cork, Ireland - Tel +353 21 4889922 / Fax
+353 21 4889923 / ireland@socomore.com

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 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, Flam. Liq. 3, Flammable liquid and vapour.
-  Warning, Skin Irrit. 2, Causes skin irritation.
-  Danger, Eye Dam. 1, Causes serious eye damage.
-  Warning, Skin Sens. 1, May cause an allergic skin reaction.
-  Danger, Repr. 1B, May damage fertility or the unborn child if inhaled and in contact with skin.
-  Warning, STOT SE 3, May cause respiratory irritation.
-  Aquatic Chronic 2, Toxic to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:

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Danger

Hazard statements:

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

H360 (Inhalation, Skin) May damage fertility or the unborn child if inhaled and in contact with skin.

H335 May cause respiratory irritation.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

P201 Obtain special instructions before use.

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

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P273 Avoid release to the environment.

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

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.

P370+P378 In case of fire, use a dry powder fire extinguisher to extinguish.

P391 Collect spillage.

P403+P235 Store in a well-ventilated place. Keep cool.

Special Provisions:

None

Contains

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

2-AMINOETHANOL

Dodecane-1-thiol

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

Restricted to professional users.

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration $\geq 0.1\%$

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:

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Qty	Name	Ident. Number		Classification
>= 60% - < 70%	2-methoxy-1-methylethyl acetate	Index number: CAS: EC: REACH No.:	607-195-00-7 108-65-6 203-603-9 01-2119475791-29	<div> <div></div> <div>2.6/3 Flam. Liq. 3 H226</div> </div>
>= 20% - < 25%	N-methyl-2-pyrrolidone; 1-methyl-2-pyrrolidone	Index number: CAS: EC:	606-021-00-7 872-50-4 212-828-1	<div> <div></div> <div>3.7/1B Repr. 1B H360D</div> </div> <div> <div></div> <div>3.8/3 STOT SE 3 H335</div> </div> <div> <div></div> <div>3.2/2 Skin Irrit. 2 H315</div> </div> <div> <div></div> <div>3.3/2 Eye Irrit. 2 H319</div> </div> <div>Specific Concentration Limits: C >= 10%: STOT SE 3 H335</div>
>= 10% - < 12.5%	3-butoxypropan-2-ol; propylene glycol monobutyl ether	Index number: CAS: EC: REACH No.:	603-052-00-8 5131-66-8 225-878-4 01-2119475527-28	<div> <div></div> <div>2.6/3 Flam. Liq. 3 H226</div> </div> <div> <div></div> <div>3.3/2 Eye Irrit. 2 H319</div> </div> <div> <div></div> <div>3.2/2 Skin Irrit. 2 H315</div> </div>
>= 1% - < 3%	2-AMINOETHANOL	CAS: EC: REACH No.:	141-43-5 205-483-3 01-2119486455-28	<div> <div></div> <div>3.1/4/Inhal Acute Tox. 4 H332</div> </div> <div> <div></div> <div>3.3/1 Eye Dam. 1 H318</div> </div> <div> <div></div> <div>3.8/3 STOT SE 3 H335</div> </div> <div> <div></div> <div>3.1/4/Dermal Acute Tox. 4 H312</div> </div> <div> <div></div> <div>3.1/4/Oral Acute Tox. 4 H302</div> </div> <div> <div></div> <div>3.2/1B Skin Corr. 1B H314</div> </div> <div>4.1/C3 Aquatic Chronic 3 H412</div> <div>Specific Concentration Limits: C >= 5%: STOT SE 3 H335</div>
>= 1% - < 3%	Dodecane-1-thiol	CAS: EC: REACH No.:	112-55-0 203-984-1 01-2119491318-31	<div> <div></div> <div>3.2/1C Skin Corr. 1C H314</div> </div> <div> <div></div> <div>3.4.2/1 Skin Sens. 1 H317</div> </div> <div> <div></div> <div>3.3/1 Eye Dam. 1 H318</div> </div> <div> <div></div> <div>4.1/A1 Aquatic Acute 1 H400</div> </div> <div>M=10.</div> <div> <div></div> <div>4.1/C1 Aquatic Chronic 1 H410</div> </div> <div>M=10.</div>

SVHC, PBT, vPvB, endocrine disruptor substances:

>= 20% - < 25% N-methyl-2-pyrrolidone; 1-methyl-2-pyrrolidone

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

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SVHC

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.

OBTAIN IMMEDIATE MEDICAL ATTENTION.

Wash thoroughly the body (shower or bath).

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. Obtain a medical examination.

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:

In case of fire, use a dry powder fire extinguisher to extinguish.

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 all sources of ignition.

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

Provide adequate ventilation.

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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

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

Always keep in a well ventilated place.

Store at ambient temperatures. Keep away from unguarded flame 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.

7.3. Specific end use(s)

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

- OEL Type: ACGIH - TWA(8h): 150 ppm - STEL: 100 ppm

- OEL Type: National - TWA(8h): 275 mg/m³, 50 ppm - STEL: 550 mg/m³, 100 ppm -

Notes: France VLEP

- OEL Type: National - TWA(8h): 270 mg/m³, 50 ppm - Notes: GERMANY

- OEL Type: National - TWA(8h): 274 mg/m³, 50 ppm - STEL: 548 mg/m³, 100 ppm -

Notes: UK (WELs)

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- OEL Type: National - TWA: 260 mg/m³ - STEL: 520 mg/m³ - Notes: POLAND
- OEL Type: EU - TWA(8h): 275 mg/m³, 50 ppm - STEL: 550 mg/m³, 100 ppm - Notes: Skin
- OEL Type: AIHA
- TWA: 50 ppm
- OEL Type: MAK - TWA: 275 mg/m³, 50 ppm - STEL(5 min (Mow)): 550 mg/m³, 100 ppm - Notes: Österreich
- 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
- 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 - Behaviour: Binding - Notes: France VLEP - 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
- Dodecane-1-thiol - CAS: 112-55-0
 - OEL Type: ACGIH - TWA(8h): 0.1 ppm - Notes: DSEN - URT irr

DNEL Exposure Limit Values

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

Worker Industry: 153.5 mg/kg b.w./day - Consumer: 54.8 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Industry: 275 mg/m³ - Consumer: 33 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Consumer: 1.67 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic 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

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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)

3-butoxypropan-2-ol; propylene glycol monobutyl ether - CAS: 5131-66-8

Worker Industry: 44 mg/kg b.w./day - Consumer: 16 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 270.5 mg/m³ - Consumer: 33.8 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 8.75 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic effects

2-AMINOETHANOL - CAS: 141-43-5

Worker Industry: 3 mg/kg b.w./day - Consumer: 1.5 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 1 mg/m³ - Consumer: 0.18 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects

Consumer: 1.5 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic effects

Consumer: 0.28 mg/m³ - Exposure: Human Dermal - Frequency: Long Term, local effects

PNEC Exposure Limit Values

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

Target: Fresh Water - Value: 0.635 mg/l

Target: Marine water - Value: 0.0635 mg/l

Target: Microorganisms in sewage treatments - Value: 100 mg/l

Target: Freshwater sediments - Value: 3.29 mg/kg

Target: Marine water sediments - Value: 0.329 mg/kg

Target: Soil (agricultural) - Value: 0.29 mg/kg

Target: PNEC intermittent - Value: 6.35 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

3-butoxypropan-2-ol; propylene glycol monobutyl ether - CAS: 5131-66-8

Target: Fresh Water - Value: 0.525 mg/l

Target: Marine water - Value: 0.0525 mg/l

Target: Microorganisms in sewage treatments - Value: 10 mg/l

Target: Freshwater sediments - Value: 2.36 mg/kg dw

Target: Marine water sediments - Value: 0.236 mg/kg dw

Target: Soil (agricultural) - Value: 0.16 mg/kg dw

2-AMINOETHANOL - CAS: 141-43-5

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Target: Fresh Water - Value: 0.07 mg/l
Target: Marine water - Value: 0.007 mg/l
Target: Freshwater sediments - Value: 0.357 mg/l
Target: Marine water sediments - Value: 0.036 mg/l
Target: Soil - Value: 1.29 mg/kg dw
Target: PNEC intermittent - Value: 0.028 mg/l
Target: Sewage treatment plant - Value: 100 mg/l

Biological Exposure Index
N.A.

8.2. Exposure controls

Eye protection:

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

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Combine the wearing of gloves with training on the specific activity - minimum skin efficiency of 95%.

Respiratory protection:

Use respiratory protection where ventilation is insufficient or exposure is prolonged.

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

Local exhaust ventilation - minimum efficiency of 90.0%.

Make sure that the means of control are regularly examined and maintained.

Monitoring to ensure that defined measures of risk management are implemented and that operational conditions are met.

Other conditions affecting workers exposure:

Exposed skin surface : 960 cm²

Indoor use

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes
Physical state:	Liquid	--	--
Colour:	Colourless	--	--
Odour:	N.A.	--	--
Melting point/freezing point:	N.A.	--	--
Boiling point or initial boiling point and boiling range:	115	--	--

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Flammability:	Flam. Liq. 3, H226	--	--
Lower and upper explosion limit:	N.A.	--	--
Flash point (°C):	56	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
pH:	10.5	--	--
Kinematic viscosity:	N.A.	--	--
Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient n-octanol/water (log value):	N.A.	--	--
Vapour pressure:	15513.2 Pa @37.8°C	--	--
Density and/or relative density:	0.97 mg/L	--	--
Relative vapour density:	N.A.	--	--
Particle characteristics:			
Particle size:	N.A.	--	--

9.2. Other information

Properties	Value	Method:	Notes
Viscosity:	4000-6000mPa.S	--	--

Volatile Organic compounds - VOCs = 970 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Stable under normal conditions

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10.3. Possibility of hazardous reactions

None

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

Avoid contact with combustible materials. The product could catch fire.

10.6. Hazardous decomposition products

None.

SECTION 11: Toxicological information

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

Toxicological information of the product:

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Acute toxicity:

Test: LD50 - Route: Skin > 5000 mg/kg

Test: LD50 - Route: Inhalation Vapour > 50 mg/l

Test: LD50 - Route: Oral > 8000 mg/kg

Toxicological information of the main substances found in the product:

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg

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

Test: LC50 - Route: Inhalation - Species: Rat > 10.8 mg/l

Test: LC50 - Route: Skin - Species: Rabbit > 5000 mg/kg

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

3-butoxypropan-2-ol; propylene glycol monobutyl ether - CAS: 5131-66-8

Acute toxicity:

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Test: LD50 - Route: Oral - Species: Rat = 2.700 mg/kg

Test: LD50 - Route: Skin - Species: Rat > 2.000 mg/kg

Test: LC50 - Route: Inhalation Vapour - Species: Rat > 3.5 mg/l

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: LD50 - Route: Skin - Species: Rat = 2504 mg/kg

Test: LC50 - Route: Inhalation Vapour - Species: Rat > 1.48 mg/l - Duration: 4h

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

Reproductive toxicity:

Test: NOAEL - Species: Rat = 225 mg/kg bw/day - Notes: development

Test: NOAEL - Species: Rat = 300 mg/kg bw/day - 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

If not differently specified, the information required in Regulation (EU)2020/878 listed below must be considered as N.A.:

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.

11.2. Information on other hazards

Endocrine disrupting properties:

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

Other toxicological information:

3-butoxypropan-2-ol; propylene glycol monobutyl ether

Moderate eye irritation, mild corneal lesions

Brief contact may cause moderate skin irritation with local redness.

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2-AMINOETHANOL

Low subchronic toxicity by dermal, oral and inhalation routes.

Skin corrosion / irritation (rabbit):

Corrosive

Severe eye injury/irritation (rabbit):

Irritating effect

SECTION 12: Ecological information

12.1. Toxicity

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

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

a) Aquatic acute toxicity:

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

Endpoint: LC50 - Species: Fish = 134 mg/l

Endpoint: EC50 - Species: Daphnia = 408 mg/l

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish = 47.5 mg/l - Duration h: 336 - Notes: *Oryzias latipes*

Endpoint: NOEC - Species: Daphnia > 100 mg/l - Duration h: 504

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

3-butoxypropan-2-ol; propylene glycol monobutyl ether - CAS: 5131-66-8

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish 560-1000 mg/l - Duration h: 96 - Notes: guppy (*Poecilia reticulata*)

Endpoint: EC50 - Species: Algae > 560 mg/l - Duration h: 96 - Notes: *Pseudokirchneriella subcapitata*

Endpoint: EC50 - Species: Daphnia > 1.000 mg/l - Duration h: 3

Endpoint: NOEC - Species: Fish = 180 mg/l - Duration h: 96 - Notes: guppy

Endpoint: NOEC - Species: Daphnia = 560 mg/l - Duration h: 48 - Notes: *Selenastrum*

Endpoint: NOEC - Species: Algae = 560 mg/l - Duration h: 96

c) Bacteria toxicity:

Endpoint: EC50 - Species: bacteria > 1.000 mg/l - Duration h: 3

2-AMINOETHANOL - CAS: 141-43-5

a) Aquatic acute toxicity:

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

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

Endpoint: EC50 - Species: Aquatic plants = 2.5 mg/l - Duration h: 72 - Notes: *Selenastrum capricornutum*

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Endpoint: EC50 - Species: Aquatic plants = 22 mg/l - Duration h: 72 - Notes: Scenedesmus subspicatus / OECD 201

Endpoint: EC50 - Species: Aquatic plants = 2.8 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata

Endpoint: EC50 - Species: Microorganisms = 1000 mg/l - Duration h: 3 - Notes: Activated sludge / OECD 209

Endpoint: EC50r - Species: Algae = 2.5 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata, OECD 201

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

Endpoint: LC50 - Species: Fish = 170 mg/l - Duration h: 96 - Notes: Carassius auratus (Goldfish)

Endpoint: LC50 - Species: Fish = 227 mg/l - Duration h: 96 - Notes: Pimephales promelas (Fat-head Minnow)

Endpoint: LC50 - Species: Fish = 3684 mg/l - Duration h: 96 - Notes: Brachydanio rerio (Zebra Fish)

Endpoint: LC50 - Species: Fish >= 300 mg/l - Duration h: 96 - Notes: Lepomis macrochirus (Bluegill)

Endpoint: LC50 - Species: Fish >= 114 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss (Rainbow trout)

Endpoint: NOEC - Species: Algae = 1 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata, OECD 201

b) Aquatic chronic toxicity:

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

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

Endpoint: LOEC

- Species: Fish = 3.6 mg/l - Duration h: 720 - Notes: Oryzias latipes

12.2. Persistence and degradability

3-butoxypropan-2-ol; propylene glycol monobutyl ether - CAS: 5131-66-8

Biodegradability: Readily biodegradable

2-AMINOETHANOL - CAS: 141-43-5

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

12.3. Bioaccumulative potential

3-butoxypropan-2-ol; propylene glycol monobutyl ether - CAS: 5131-66-8

Potentially bioaccumulative.

Low bioconcentration potential

2-AMINOETHANOL - CAS: 141-43-5

Log Pow <3

BCF <100

12.4. Mobility in soil

3-butoxypropan-2-ol; propylene glycol monobutyl ether - CAS: 5131-66-8

Mobile

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. Endocrine disrupting properties

No endocrine disruptor substances present in concentration >= 0.1%

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12.7. Other adverse effects

No harmful effects expected.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

Codes of wastes (Décision 2001/573/EC, Directive 2006/12/EEC, Directive 94/31/EEC on hazardous waste):

14 06 03* Other solvents and solvent mixtures

SECTION 14: Transport information



14.1. UN number or ID number

ADR-UN Number:	1993
IATA-UN Number:	1993
IMDG-UN Number:	1993

14.2. UN proper shipping name

ADR-Shipping Name:	FLAMMABLE LIQUID, N.O.S. (2-methoxy-1-methylethyl acetate)
IATA-Shipping Name:	FLAMMABLE LIQUID, N.O.S. (2-methoxy-1-methylethyl acetate)
IMDG-Shipping Name:	FLAMMABLE LIQUID, N.O.S. (2-methoxy-1-methylethyl acetate)

14.3. Transport hazard class(es)

ADR-Class:	3
ADR - Hazard identification number:	30
IATA-Class:	3
IATA-Label:	3
IMDG-Class:	3

14.4. Packing group

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

14.5. Environmental hazards

ADR-Environmental Pollutant:	Yes
IMDG-Marine pollutant:	Yes
Most important toxic component:	Dodecane-1-thiol
IMDG-EmS:	F-E , S-E

14.6. Special precautions for user

ADR-Subsidiary hazards:	-
ADR-S.P.:	274 601
ADR-Transport category (Tunnel restriction code):	3 (D/E)
IATA-Passenger Aircraft:	355
IATA-Subsidiary hazards:	-
IATA-Cargo Aircraft:	366
IATA-S.P.:	A3
IATA-ERG:	3L

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IMDG-Subsidiary hazards: -
IMDG-Stowage and handling: Category A
IMDG-Segregation: -
Q.L.: 5L
Q.E.: E1

14.7. Maritime transport in bulk according to IMO instruments

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) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)
Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Regulation (EU) n. 2016/918 (ATP 8 CLP)
Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)
Regulation (EU) n. 2018/669 (ATP 11 CLP)
Regulation (EU) n. 2018/1480 (ATP 13 CLP)
Regulation (EU) n. 2019/521 (ATP 12 CLP)
Regulation (EU) n. 2020/217 (ATP 14 CLP)
Regulation (EU) n. 2020/1182 (ATP 15 CLP)
Regulation (EU) n. 2021/643 (ATP 16 CLP)
Regulation (EU) n. 2021/849 (ATP 17 CLP)

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

Restriction 40

Restrictions related to the substances contained:

Restriction 30

Restriction 71

Restriction 72

Restriction 75

Listed or in compliance with the following international inventories:

AICS - Australian Inventory of Chemical Substances

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Canada (DSL): All the substances of this product are listed on the DSL list.
Japan (ENCS) - Japanese Existing and New Chemical Substances Inventory
IECSC - Inventory of Existing Chemical Substances Produced or Imported in China
KECI - Korean Existing Chemical Inventory
NZIoC - New Zealand Inventory of Chemicals
PICCS - Philippine Inventory of Chemicals and Chemical Substances

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

Product belongs to category: P5c, E2

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:

H226 Flammable liquid and vapour.

H360D May damage the unborn child.

H335 May cause respiratory irritation.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H318 Causes serious eye damage.

H312 Harmful in contact with skin.

H302 Harmful if swallowed.

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H314 Causes severe skin burns and eye damage.

H412 Harmful to aquatic life with long lasting effects.

H317 May cause an allergic skin reaction.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Hazard class and hazard category	Code	Description
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Acute Tox. 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 Corr. 1C	3.2/1C	Skin corrosion, Category 1C
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Skin Sens. 1	3.4.2/1	Skin Sensitisation, Category 1
Repr. 1B	3.7/1B	Reproductive toxicity, Category 1B
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3
Aquatic Acute 1	4.1/A1	Acute aquatic hazard, category 1
Aquatic Chronic 1	4.1/C1	Chronic (long term) aquatic hazard, category 1
Aquatic Chronic 2	4.1/C2	Chronic (long term) aquatic hazard, category 2
Aquatic Chronic 3	4.1/C3	Chronic (long term) aquatic hazard, category 3

This safety data sheet has been completely updated in compliance to Regulation 2020/878.

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

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Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Flam. Liq. 3, H226	On basis of test data
Skin Irrit. 2, H315	Calculation method
Eye Dam. 1, H318	Calculation method
Skin Sens. 1, H317	Calculation method
Repr. 1B, H360 (Inhalation, Skin)	Calculation method
STOT SE 3, H335	Calculation method
Aquatic Chronic 2, H411	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

Important confidentiality : this document contains confidential information that is proprietary to SOCOMORE. Subject to legal provisions determining otherwise, the distribution, republication or re-transmission of this document, in full or in part, must be limited to clearly identified individuals, either because they use the product, or to provide HSE information. Any communication of this document outside of this framework without our written consent is strictly forbidden.

SOCOMORE strongly advises every recipient of this safety data sheet to read it carefully and to consult experts in the field if necessary or appropriate, in order to understand the information it contains, notably the possible dangers associated with this product. The users must ensure the conformity and completeness of this information with regards to their specific use of the product.

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the responsibility of the purchaser/user to ensure that their activities conform with current legislation in force.

The information is considered correct, but it is not exhaustive and it shall be used only as a guide which is based on the current knowledge of the substance or mixture and it is applicable to the safety precautions appropriate for the product.

ADR: European Agreement concerning the International Carriage of
Dangerous Goods by Road.

ATE: Acute Toxicity Estimate

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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.