

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

COMORAL DCP

Regulation (EU) n. 2020/878

Safety Data Sheet date: 28/4/2022, version 6

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

1.1. Product identifier

Trade name: COMORAL DCP
SDS code: P43438
UFI: 9MRP-S5VV-M14V-PR2J

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

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 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)

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

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



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Danger

Hazard statements:

H318 Causes serious eye damage.

Precautionary statements:

P280 Wear protective gloves and eye/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.

P312 Call a POISON CENTER if you feel unwell.

Special Provisions:

None

Contains

ALCOHOLS, C10-12 ETHOXYLATED PROPOXYLATED

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

None

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:

Qty	Name	Ident. Number	Classification
$\geq 5\%$ - $< 7\%$	PYROPHOSPHATE TÉTRAPOTASSIQUE	CAS: 7320-34-5 EC: 230-785-7 REACH No.: 01- 2119489369 -18	◊ 3.3/2 Eye Irrit. 2 H319
$\geq 3\%$ - $< 5\%$	ISONONANOIC ACID, COMPOUND WITH 2- AMINOETHANOL (1:1)	CAS: 67801-50-7 EC: 267-169-2 REACH No.: Exempted---- ----	◊ 3.1/4/Oral Acute Tox. 4 H302 ◊ 3.3/2 Eye Irrit. 2 H319 ◊ 3.2/2 Skin Irrit. 2 H315
$\geq 3\%$ - $< 5\%$	ALCOHOLS, C10-12 ETHOXYLATED PROPOXYLATED	CAS: 68154-97-2 EC: 935-890-8 REACH No.: exempted---- ----	◊ 3.1/4/Oral Acute Tox. 4 H302 ◊ 3.3/1 Eye Dam. 1 H318 Acute Toxicity Estimate: ATE - Oral 950 mg/kg bw
$\geq 1\%$ - $< 3\%$	POTASSIUM CARBONATE	CAS: 584-08-7 EC: 209-529-3 REACH No.: 01-	◊ 3.3/2 Eye Irrit. 2 H319 ◊ 3.8/3 STOT SE 3 H335 ◊ 3.2/2 Skin Irrit. 2 H315

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		2119532646 -36	
>= 1% - < 3%	SODIUM BENZOATE	CAS: 532-32-1 EC: 208-534-8 REACH No.: 01- 2119460683 -35	⚠ 3.3/2 Eye Irrit. 2 H319
>= 0.5% - < 1%	2-AMINOETHANOL	CAS: 141-43-5 EC: 205-483-3 REACH No.: 01- 2119486455 -28	⚠ 3.1/4/Inhal Acute Tox. 4 H332 ⚠ 3.3/1 Eye Dam. 1 H318 ⚠ 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 Specific Concentration Limits: C >= 5%: STOT SE 3 H335

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.

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:

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

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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

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.

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

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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 - 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

DNEL Exposure Limit Values

PYROPHOSPHATE TÉTRAPOTASSIQUE - CAS: 7320-34-5

Worker Professional: 2.79 mg/m³ - Consumer: 0.68 mg/l - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

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

POTASSIUM CARBONATE - CAS: 584-08-7

Worker Professional: 10 mg/m³ - Consumer: 10 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term (repeated)

SODIUM BENZOATE - CAS: 532-32-1

Worker Industry: 34.7 mg/kg b.w./day - Consumer: 20.8 mg/m³ - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 4.5 mg/cm² - Consumer: 2.7 mg/cm² - Exposure: Human Dermal - Frequency: Long Term, local effects

Worker Industry: 3 mg/m³ - Consumer: 2.4 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 0.1 mg/m³ - Consumer: 0.06 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects

Consumer: 16.6 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

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PNEC Exposure Limit Values

PYROPHOSPHATE TÉTRAPOTASSIQUE - CAS: 7320-34-5

Target: Fresh Water - Value: 0.05 mg/l

Target: Marine water - Value: 0.005 mg/l

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

Target: Microorganisms in sewage treatments - Value: 50 mg/l

SODIUM BENZOATE - CAS: 532-32-1

Target: Fresh Water - Value: 0.13 mg/l

Target: Freshwater sediments - Value: 1.76 mg/kg dw

Target: Marine water - Value: 0.013 mg/l

Target: Marine water sediments - Value: 0.176 mg/kg dw

Target: Water (intermittent discharge) - Value: 305 µg/l

Target: Soil - Value: 0.276 mg/kg dw

Target: Sewage treatment plant - Value: 10 mg/kg µg/l

Target: Oral (secondary poisoning) (foodstuff) - Value: 300 mg/kg

2-AMINOETHANOL - CAS: 141-43-5

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

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:

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

Protection for hands:

Suitable gloves type: NF EN374

NR (natural rubber, natural latex).

NBR (nitrile rubber).

PVA (Polyvinyl alcohol).

PVC (polyvinyl chloride).

Butyl rubber (isobutylene-isoprene copolymer)

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

Environmental exposure controls:

None

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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
Physical state:	Liquid	--	--
Colour:	Light yellow	--	--
Odour:	N.A.	--	--
Melting point/freezing point:	Not Relevant	--	--
Boiling point or initial boiling point and boiling range:	100 °C	--	water base
Flammability:	N.A.	--	--
Lower and upper explosion limit:	N.A.	--	--
Flash point (°C):	N.A.	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	>230°C	--	--
pH:	10.7	ISO 4316, ASTM E70	--
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:	N.A.	--	--
Density and/or relative density:	1.09	ISO 649, ASTM D1298	--
Relative vapour density:	N.A.	--	--

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Particle characteristics:

Particle size:	N.A.	--	--
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9.2. Other information

No other relevant information

Volatile Organic compounds - VOCs = 0 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 hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological information of the product:

N.A.

Toxicological information of the main substances found in the product:

PYROPHOSPHATE TÉTRAPOTASSIQUE - CAS: 7320-34-5

Acute toxicity:

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

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

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

ALCOHOLS, C10-12 ETHOXYLATED PROPOXYLATED - CAS: 68154-97-2

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat (Male, female) = 950 mg/kg

ATE - Oral 950 mg/kg bw

Test: ATE - Route: Oral = 950 mg/kg

ATE - Oral 950 mg/kg bw

POTASSIUM CARBONATE - CAS: 584-08-7

Acute toxicity:

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

Test: LC50 - Route: Inhalation - Species: Rat > 500 mg/m³

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

SODIUM BENZOATE - CAS: 532-32-1

Acute toxicity:

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

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

Test: LC50 - Route: Inhalation Dust - Species: Rat \geq 12.2 mg/l - Duration: 4h

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 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

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:

ALCOHOLS, C10-12 ETHOXYLATED PROPOXYLATED

Eye contact:

Severe eye irritation.

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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.

PYROPHOSPHATE TÉTRAPOTASSIQUE - CAS: 7320-34-5

a) Aquatic acute toxicity:

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

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

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

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

b) Aquatic chronic toxicity:

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

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

ALCOHOLS, C10-12 ETHOXYLATED PROPOXYLATED - CAS: 68154-97-2

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia > 1-10 mg/l - Duration h: 48 - Notes: Daphnia magna

Endpoint: EC10 - Species: Algae > 1-10 mg/l - Duration h: 72 - Notes: Desmodesmus subspicatus

Endpoint: EC50 - Species: Algae > 10-100 mg/l - Duration h: 72 - Notes: Desmodesmus subspicatus

Endpoint: LC50 - Species: Fish = 1-10 mg/l - Duration h: 96 - Notes: Cyprins dorés

c) Bacteria toxicity:

Endpoint: EC50 - Species: bacteria > 1.000 mg/l - Duration h: 17 - Notes: Pseudomonas putida

POTASSIUM CARBONATE - CAS: 584-08-7

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 68 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia = 430 mg/l - Duration h: 48

Endpoint: LC50 - Species: Daphnia = 120 mg/l - Notes: Daphnia pulex

SODIUM BENZOATE - CAS: 532-32-1

a) Aquatic acute toxicity:

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

Endpoint: EC50 - Species: Daphnia > 100 mg/l - Duration h: 96 - Notes: Daphnia magna

Endpoint: ErC50 - Species: Algae > 100 mg/l - Duration h: 72 - Notes: OECD 201

Endpoint: EC50 - Species: bacteria > 100 mg/l - Duration h: 24

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia = 51 mg/l - Duration h: 504 - Notes: OECD 211

Endpoint: NOEC - Species: Fish = 10 mg/l - Duration h: 144

Endpoint: EC10 - Species: Algae = 6.5 mg/l - Duration h: 72

2-AMINOETHANOL - CAS: 141-43-5

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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

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

ALCOHOLS, C10-12 ETHOXYLATED PROPOXYLATED - CAS: 68154-97-2

Biodegradability: Readily biodegradable - Duration: 28 days - %: > 60 - Notes: aerobic

Biodegradability: Readily biodegradable - Test: OECD 301B - Duration: 28 days - %: 75

Biodegradability: Chemical Oxygen Demand (COD) - Notes: 2.188 mg/g

SODIUM BENZOATE - CAS: 532-32-1

Biodegradability: Biodegradability rate - Duration: 28 days - %: 88%

2-AMINOETHANOL - CAS: 141-43-5

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

12.3. Bioaccumulative potential

SODIUM BENZOATE - CAS: 532-32-1

Log Kow 1.88

2-AMINOETHANOL - CAS: 141-43-5

Log Pow <3

BCF <100

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12.4. Mobility in soil

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 $\geq 0.1\%$

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):

06 02 05* other bases

SECTION 14: Transport information

14.1. UN number or ID 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-Environmental Pollutant: No

IMDG-Marine pollutant: No

14.6. Special precautions for user

N.A.

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)

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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)

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 75

Listed or in compliance with the following international inventories:

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

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phosphates $\geq 5\%$ - $< 15\%$

non-ionic surface active agents $< 5\%$

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)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1

None

15.2. Chemical safety assessment

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

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No

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.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

H332 Harmful if inhaled.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H412 Harmful to aquatic life with long lasting effects.

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
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

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]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Eye Dam. 1, H318	Calculation method

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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.

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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.