

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended



APESIN SANOL Q&E

WM 0715173

Order number: 0715173

Version 5.0

Revision Date 10.09.2026

Print Date 10.09.2026

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

1.1 Product identifier

Trade name : APESIN SANOL Q&E
UFI : 8AR2-E0S3-900U-KQMX

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

Use of the Substance/Mixture : Biocides

Restricted to professional users.

1.3 Details of the supplier of the safety data sheet

Company : Tana Chemie GmbH
Rheinallee 96
55120 Mainz
Telephone : +49613196403
Telefax : +4961319642526
E-mail address : Produktsicherheit@werner-mertz.com
Responsible/issuing person
Contact person : Product development / product safety

1.4 Emergency telephone

EU: 112

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Skin corrosion, Category 1 H314: Causes severe skin burns and eye damage.

Serious eye damage, Category 1 H318: Causes serious eye damage.

2.2 Label elements

Labeling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal Word : Danger

Hazard Statements : H314 Causes severe skin burns and eye damage.

Precautionary Statements : P102 Keep out of reach of children.

Prevention:

P260

Do not breathe spray.

P280

Wear eye protection/ face protection.

Response:

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all

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P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

P310
Disposal:
P501

Dispose of container into the collection of recyclables only when it is completely empty.

Hazardous ingredients which must be listed on the label:

I-(+)-lactic acid
alkyl polyglycol ether
carboxylic acid
D-Glucopyranose, oligomeric,
C10-16-alkyl glycosides

Safety data sheet available on request.

Classification in use concentration

Hazard pictograms :



Signal Word : Warning

Hazard Statements : H319 Causes serious eye irritation.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
I-(+)-lactic acid	79-33-4 201-196-2	Skin Corr. 1C; H314 Eye Dam. 1; H318	>= 5 - < 10

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	607-743-00-5 01-2119474164-39	specific concentration limit Skin Irrit. 2; H315 3 - < 5 % Eye Dam. 1; H318 >= 3 % Eye Irrit. 2; H319 1 - < 3 % Skin Corr. 1C; H314 >= 5 %	
alkyl polyglycol ether carboxylic acid	53563-70-5	Eye Dam. 1; H318 Skin Irrit. 2; H315 specific concentration limit Skin Irrit. 2; H315 >= 20 % Eye Dam. 1; H318 >= 20 %	>= 5 - < 10
1-butoxypropan-2-ol	5131-66-8 225-878-4 603-052-00-8 01-2119475527-28	Eye Irrit. 2; H319 Skin Irrit. 2; H315 specific concentration limit Eye Irrit. 2; H319 > 20 % Skin Irrit. 2; H315 > 20 %	>= 1 - < 3
Butanedioic acid, 2-(2-octen-1-yl)-	62568-82-5	Acute Tox. 4; H302 Skin Corr. 1; H314 Eye Dam. 1; H318	>= 1 - < 3
D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	110615-47-9 600-975-8 01-2119489418-23	Skin Irrit. 2; H315 Eye Dam. 1; H318 specific concentration limit Eye Dam. 1; H318 > 12 - 30 % Eye Irrit. 2; H319 1 - 12 % H315, H318 > 30 %	>= 1 - < 3

SECTION 4: First aid measures

4.1 Description of first-aid measures

- General advice : Move out of dangerous area.
Consult a physician.
Show this material safety data sheet to the doctor in attendance.
- If inhaled : Move to fresh air.
Consult a physician after significant exposure.

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- | | | |
|-------------------------|---|---|
| In case of skin contact | : | Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.
Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty. |
| In case of eye contact | : | Small amounts splashed into eyes can cause irreversible tissue damage and blindness.
Protect unharmed eye.
Continue rinsing eyes during transport to hospital. |
| If swallowed | : | Clean mouth with water and drink afterwards plenty of water.
Do NOT induce vomiting.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
Take victim immediately to hospital. |

4.2 Most important symptoms and effects, both acute and delayed

- | | | |
|----------|---|---------------------------|
| Symptoms | : | corrosive effects |
| Risks | : | No information available. |

4.3 Indication of any immediate medical attention and special treatment needed

- | | | |
|-----------|---|--|
| Treatment | : | For specialist advice physicians should contact the Poisons Information Service. |
|-----------|---|--|

SECTION 5: Firefighting measures

5.1 Extinguishing media

- | | | |
|------------------------------|---|---|
| Suitable extinguishing media | : | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
|------------------------------|---|---|

5.2 Special hazards arising from the substance or mixture

- | | | |
|---------------------------------------|---|---|
| Specific hazards during fire fighting | : | Do not allow run-off from fire fighting to enter drains or water courses. |
| Hazardous combustion products | : | No hazardous combustion products are known |

5.3 Advice for firefighters

- | | | |
|--|---|---|
| Special protective equipment for fire-fighters | : | In the event of fire, wear self-contained breathing apparatus. |
| Further information | : | Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. |

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- | | | |
|----------------------|---|--|
| Personal precautions | : | Use personal protective equipment.
Ensure adequate ventilation. |
|----------------------|---|--|

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Evacuate personnel to safe areas.

6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Neutralize with chalk, alkali solution or ammonia.
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For personal protection see section 8., Treat recovered material as described in the section "Disposal considerations"., Refer to section 15 for specific national regulation.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
To avoid spills during handling keep bottle on a metal tray.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not smoke.
Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in original container. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store at room temperature in the original container.

Further information on storage stability : No decomposition if stored and applied as directed.
Protect from frost.

7.3 Specific end use(s)

Specific use(s) : Biocides

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

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Substance name	End Use	Routes of exposure	Potential health effects	Value
1-butoxypropan-2-ol	Workers	Inhalation	Long-term systemic effects	147 mg/m3
	Workers	Skin contact	Long-term systemic effects	52 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	43 mg/m3
	Consumers	Dermal	Long-term systemic effects	22 mg/kg bw/day
	Consumers	Ingestion	Long-term systemic effects	12,5 mg/kg bw/day
D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	Workers	Skin contact	Long-term systemic effects	595000 mg/kg
	Workers	Inhalation	Long-term systemic effects	420 mg/m3
	Consumers	Skin contact	Long-term systemic effects	357000 mg/kg
	Consumers	Inhalation	Long-term systemic effects	124 mg/m3
	Consumers	Ingestion	Long-term systemic effects	35,7 mg/kg

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
1-butoxypropan-2-ol	Fresh water	0,525 mg/l
	Sea water	0,0525 mg/l
	Fresh water sediment	2,36 mg/kg
	Sea sediment	0,236 mg/kg
	Soil	0,16 mg/kg
	STP	10 mg/l
	intermittent release	5,25 mg/l
D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	Fresh water	0,176 mg/l

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	Sea water	0,018 mg/l
	Fresh water sediment	1,516 mg/kg
	Sea sediment	0,065 mg/kg
	Soil	0,654 mg/kg
	STP	5000 mg/l
	intermittent release	0,0295 mg/l

8.2 Exposure controls

Personal protective equipment

Eye/face protection : Tightly fitting safety goggles

Hand protection

Material : Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374.

Remarks : Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Remove and wash contaminated clothing before re-use.

Respiratory protection : Not required; except in case of aerosol formation.

Recommended Filter type:

ABEK-P3-filter

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

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Physical state	: liquid
Color	: light red
Odor	: odorized
Melting point/freezing point	: No data available
Boiling point/boiling range	: No data available
Flammability (solid, gas)	: No data available
Flammability (liquids)	: No data available
Lower explosion limit	: No data available
Upper explosion limit	: No data available
Flash point	: does not flash
Ignition temperature	: No data available
Decomposition temperature	: No data available
pH	: ca. 2,0, 100 % at 20 °C
Viscosity, dynamic	: No data available
Viscosity, kinematic	: No data available
Water solubility	: soluble
Solubility in other solvents	: No data available
Partition coefficient: n- octanol/water	: No data available
Vapor pressure	: No data available
Density	: ca. 1,0299 g/cm ³ at 20 °C
Relative density	: No data available
Relative vapor density	: No data available
Particle characteristics	: No data available

9.2 Other information

none

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions.
No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : Stable under recommended storage conditions.
No decomposition if used as directed.

10.4 Conditions to avoid

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Conditions to avoid : Protect from frost.

10.5 Incompatible materials

Materials to avoid : No data available

10.6 Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11: Toxicological information

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

Our company is strongly against animal testing.
Our company does not place any orders for animal testing for the finished product or the ingredients.
However, as a result of EU legislation (REACH Regulation), the manufacturers of ingredients or EU importers are obliged to test ingredients with regard to their effects on human health and the environment before they are brought onto the market. Some of the tests made necessary by this took place decades ago.

Acute toxicity

Product:

Acute oral toxicity : Acute toxicity estimate: > 2.000 mg/kg
Method: Calculation method

Components:

L-(+)-lactic acid

79-33-4:

Acute oral toxicity : LD50 (Mouse): 4.875 mg/kg
LD50 Oral (Guinea pig): 1.810 mg/kg
LD50 Oral (Rat, female): 3.543 mg/kg
Method: US EPA Test Guideline OPP 81-1
LD50 Oral (Rat, male): 4.936 mg/kg
Acute inhalation toxicity : LC50 (Rat, male and female): 7,94 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403
Acute dermal toxicity : LD50 (Rabbit): > 2.000 mg/kg

1-butoxypropan-2-ol

5131-66-8:

Acute oral toxicity : LD50 Oral (Rat, male and female): 3.300 mg/kg
Method: OECD Test Guideline 423
LD50 (Rat): > 2.000 mg/kg
Acute inhalation toxicity : LC50 (Rat, male and female): 651 mg/l
Exposure time: 4 h

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	LC50 (Rat): 3,5 mg/l Exposure time: 4 h Test atmosphere: vapor
Acute dermal toxicity	: LD50 Dermal (Rat, male and female): > 2.000 mg/kg Method: OECD Test Guideline 402

D-Glucopyranose, oligomeric, C10-16-alkyl glycosides

110615-47-9:

Acute oral toxicity	: LD50 Oral: > 5.000 mg/kg
Acute dermal toxicity	: LD50 Dermal (Rat): > 5.000 mg/kg Method: OECD Test Guideline 402

Skin corrosion/irritation

Product:

Remarks : Extremely corrosive and destructive to tissue.

Components:

I-(+)-lactic acid

79-33-4:

Result : Corrosive after 1 to 4 hours of exposure

Serious eye damage/eye irritation

Product:

Remarks : May cause irreversible eye damage.

Components:

I-(+)-lactic acid

79-33-4:

Species	: Chicken eye
Result	: Causes serious eye damage.

Respiratory or skin sensitization

Product:

Remarks : No data available

Components:

I-(+)-lactic acid

79-33-4:

Species	: Guinea pig
Result	: Not a skin sensitizer.

Germ cell mutagenicity : Not Rated

Carcinogenicity : Not Rated

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- Reproductive toxicity : Not Rated
- STOT-single exposure : The substance or mixture is not classified as specific target organ toxicant, single exposure.
- STOT-repeated exposure : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Repeated dose toxicity

Components:

I-(+)-lactic acid

79-33-4:

- Species : Rat
- LOAEL : 886 mg/kg
- Application Route : Dermal

- Application Route : Oral

- Aspiration toxicity : Not Rated

11.2 Information on other hazards

Endocrine disrupting properties

Product:

- Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Further information

Product:

- Remarks : No data available

SECTION 12: Ecological information

12.1 Toxicity

Components:

I-(+)-lactic acid

79-33-4:

- Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 130 mg/l
Exposure time: 96 h
- LC50 (Danio rerio (zebra fish)): 320 mg/l
Exposure time: 48 h
- LC50 (Oncorhynchus mykiss (rainbow trout)): 130 mg/l
Exposure time: 96 h
Method: EPA-660/3-75-009

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		LC50 (Danio rerio (zebra fish)): 195 mg/l Exposure time: 96 h Method: OECD Test Guideline 203 GLP: yes
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 130 mg/l Exposure time: 48 h Method: OECD Test Guideline 202 GLP: yes
		EC50 (Daphnia pulex (Water flea)): 240 mg/l Exposure time: 48 h
		EC50 (Daphnia magna (Water flea)): 250 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	:	EC50 (Scenedesmus capricornutum (fresh water algae)): 3.500 mg/l EC50 (Pseudokirchneriella subcapitata (algae)): > 2.800 mg/l Exposure time: 72 h NOEC (Pseudokirchneriella subcapitata (green algae)): 1.900 mg/l Exposure time: 70 h EC50 (Raphidocelis subcapitata (freshwater green alga)): > 3.500 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
Toxicity to microorganisms	:	EC50 (activated sludge): > 100 mg/l Exposure time: 3 h
Toxicity to fish (Chronic toxicity)	:	Lowest Observed Effect Concentration: 2,18 mg/l Exposure time: 90 d Species: Fish
Toxicity to terrestrial organisms	:	LC50: 2.250 mg/kg> Exposure time: 14 d Species: Colinus virginianus (Bobwhite quail)

1-butoxypropan-2-ol

5131-66-8:

Toxicity to fish	:	LC50 (Poecilia reticulata (guppy)): 560 - 1.000 mg/l Exposure time: 96 h NOEC (Poecilia reticulata (guppy)): 180 mg/l Exposure time: 96 h LC50 (Fish): 1.000 mg/l Exposure time: 96 h LC50 (Pimephales promelas (fathead minnow)): > 100 mg/l Exposure time: 96 h EC50 (Fish): < 320 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 1.000 mg/l Exposure time: 48 h Method: OECD Test Guideline 202

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		NOEC (<i>Daphnia magna</i> (Water flea)): 560 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	:	EC50 (<i>Pseudokirchneriella subcapitata</i> (microalgae)): > 1.000 mg/l Exposure time: 96 h Test Type: Cell multiplication inhibition test
		NOEC (<i>Selenastrum capricornutum</i>): 560 mg/l Exposure time: 96 h
Toxicity to microorganisms	:	EC50 (Bacteria): > 1.000 mg/l Exposure time: 3 h Method: OECD Test Guideline 209

D-Glucopyranose, oligomeric, C10-16-alkyl glycosides

110615-47-9:

Toxicity to fish	:	LC50 (Fish): > 1 - 10 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
		LC50 (<i>Brachydanio rerio</i> (zebrafish)): 2,95 mg/l Exposure time: 96 h Test Type: semi-static test Method: OECD Test Guideline 203
		LC50 (<i>Danio rerio</i> (zebra fish)): 5,9 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (<i>Daphnia</i>): > 10 - 100 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
		EC50 (<i>Daphnia magna</i> (Water flea)): 7 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	:	EC50 : > 10 - 100 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
		EC50 (<i>Desmodesmus subspicatus</i> (green algae)): 12,5 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
Toxicity to microorganisms	:	EC0 (<i>Pseudomonas putida</i>): > 100 mg/l Exposure time: 16 h Method: DIN 38412
Toxicity to fish (Chronic toxicity)	:	NOEC: > 1 mg/l Exposure time: 28 d Species: <i>Brachydanio rerio</i> Method: OECD Test Guideline 204
		NOEC: 1,8 mg/l Exposure time: 28 d Species: <i>Brachydanio rerio</i> Method: OECD Test Guideline 204
Toxicity to daphnia and other aquatic invertebrates (Chronic)	:	NOEC: > 1 mg/l Exposure time: 21 d

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toxicity)

Species: Daphnia magna (Water flea)
Method: see user defined free text

EC10: 1,76 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)
Method: OECD Test Guideline 202

12.2 Persistence and degradability

Components:

I-(+)-lactic acid

79-33-4:

Biodegradability : Result: rapidly biodegradable

Biochemical Oxygen Demand (BOD) : 450 mg/g
Incubation time: 5 d
600 mg/g
Incubation time: 20 d

Chemical Oxygen Demand (COD) : 900 mg/g

ThOD : 1.067 mg/g

1-butoxypropan-2-ol

5131-66-8:

Biodegradability : Biodegradation: 90 %
Exposure time: 28 d
Method: OECD 301 E
Remarks: Readily biodegradable, according to appropriate OECD test.

D-Glucopyranose, oligomeric, C10-16-alkyl glycosides

110615-47-9:

Biodegradability : Result: rapidly biodegradable
Method: OECD Test Guideline 301

Biodegradation: > 99,4 %
Exposure time: 28 d

12.3 Bioaccumulative potential

Components:

I-(+)-lactic acid

79-33-4:

Bioaccumulation : Remarks: Product does not contain substances which are persistent, bioaccumulative, and toxic (PBT) at levels of 0.1% or higher.
Product does not contain substances which are very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

1-butoxypropan-2-ol

5131-66-8:

Bioaccumulation : Bioconcentration factor (BCF): < 100
Remarks: Does not bioaccumulate.

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Partition coefficient: n-octanol/water : log Pow: 3,2
log Pow: 1,2 (20 °C)
pH: 7

D-Glucopyranose, oligomeric, C10-16-alkyl glycosides

110615-47-9:

Partition coefficient: n-octanol/water : log Pow: < -0,07 (20 °C)

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

Product:

Additional ecological information : There is no data available for this product.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Do not dispose of waste into sewer.
Do not contaminate ponds, waterways or ditches with chemical or used container.
In accordance with local and national regulations.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.

Waste Code : European Waste Catalog
20 01 29*
According to the European Waste Catalog, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

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SECTION 14: Transport information

14.1 UN number or ID number

ADR : 3265
IMDG : 3265
IATA : 3265

14.2 UN proper shipping name

ADR : CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
(4-aminonaphthalene-1-sulphonic acid)
IMDG : CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
(4-aminonaphthalene-1-sulphonic acid)
IATA : Corrosive liquid, acidic, organic, n.o.s.

14.3 Transport hazard class(es)

ADR : 8
IMDG : 8
IATA : 8

14.4 Packing group

ADR
Classification Code : C3
Packaging group : II
Hazard Identification Number : 80
Labels : 8
Tunnel restriction code : (E)
IMDG
Packaging group : II
Labels : 8
EmS Number : F-A, S-B
IATA
(Cargo) : Corrosive liquid, acidic, organic, n.o.s.
Packaging group : II
Labels : 8

14.5 Environmental hazards

ADR
Environmentally hazardous : no

IMDG
Marine pollutant : no
IATA
Environmentally hazardous : no

14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

For personal protection see section 8.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

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SECTION 15: Regulatory information

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

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : See Annex XVII to Regulation (EC) no 1907/2006 for Conditions of restriction

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. : Not applicable

TA Luft List (Germany) : Total dust: Not applicable
: Inorganic substances in powdered form: Not applicable
: Inorganic substances in vapor or gaseous form: Not applicable
: Organic Substances: portionClass 1: 0,02 %
: Carcinogenic substances: Not applicable
: mutagenic: Not applicable
: Toxic to reproduction: Not applicable

Volatile organic compounds (VOC) content : Directive 2010/75/EU of 24 November 2010 on industrial and livestock rearing emissions (integrated pollution prevention and control)
Update: Percent volatile: 11,64 %
549,27 g/l
VOC content excluding water

Volatile organic compounds (VOC) content : Directive 2010/75/EU of 24 November 2010 on industrial and livestock rearing emissions (integrated pollution prevention and control)
Update: Percent volatile: 11,64 %
119,91 g/l
VOC content valid only for coating materials used on wood surfaces

according to Detergents Regulation EC 648/2004 : <5% anionic surfactants, non-ionic surfactants, perfumes, LACTIC ACID

15.2 Chemical Safety Assessment

SECTION 16: Other information

Full text of H-Statements

H302 : Harmful if swallowed.
H314 : Causes severe skin burns and eye damage.
H315 : Causes skin irritation.
H318 : Causes serious eye damage.
H319 : Causes serious eye irritation.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended



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Full text of other abbreviations

Acute Tox.	:	Acute toxicity
Eye Dam.	:	Serious eye damage
Eye Irrit.	:	Eye irritation
Skin Corr.	:	Skin corrosion
Skin Irrit.	:	Skin irritation

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardization; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Classification of the mixture:

Skin Corr. 1	H314
Eye Dam. 1	H318

Classification procedure:

Based on product data or assessment
Based on product data or assessment

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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