

## APESIN SANOL Q&E

WM 0715173

Order number: 0715173

Version 4.12

Revision Date 12.03.2025

Print Date 11.03.2026

### 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 number

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

##### Labelling (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

**APESIN SANOL Q&E**

WM 0715173

Order number: 0715173

Version 4.12

Revision Date 12.03.2025

Print Date 11.03.2026

P305 + P351 + P338 contaminated clothing. Rinse skin with water or shower.  
 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 components which must be listed on the label:

I-(+)-lactic acid  
 CAPRYLETH-9 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 mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).  
 This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

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	79-33-4 201-196-2 607-743-00-5 01-2119474164-39	Skin Corr. 1C; H314 Eye Dam. 1; H318  specific concentration limit Skin Irrit. 2; H315 3 - < 5 % Eye Dam. 1; H318 >= 3 % Eye Irrit. 2; H319	>= 5 - < 10

## APESIN SANOL Q&E

WM 0715173

Order number: 0715173

Version 4.12

Revision Date 12.03.2025

Print Date 11.03.2026

		1 - < 3 % Skin Corr. 1C; H314 >= 5 %	
CAPRYLETH-9 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 - < 2
Butanedioic acid, 2-(2-octen-1-yl)-	62568-82-5	Acute Tox. 4; H302 Skin Corr. 1; H314 Eye Dam. 1; H318	>= 1 - < 2
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 - < 2

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

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

## APESIN SANOL Q&E

WM 0715173

Order number: 0715173

Version 4.12

Revision Date 12.03.2025

Print Date 11.03.2026

If swallowed : Protect unharmed eye.  
Continue rinsing eyes during transport to hospital.  
: 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.

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## 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 firefighting : 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 firefighters : 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.

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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.  
Ensure adequate ventilation.  
Evacuate personnel to safe areas.

### 6.2 Environmental precautions

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

**APESIN SANOL Q&E**

**WM 0715173**

**Order number: 0715173**

Version 4.12

Revision Date 12.03.2025

Print Date 11.03.2026

**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:**

Substance name	End Use	Exposure routes	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

## APESIN SANOL Q&E

WM 0715173

Order number: 0715173

Version 4.12

Revision Date 12.03.2025

Print Date 11.03.2026

	Consumers	Inhalation	Long-term systemic effects	43 mg/m <sup>3</sup>
	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/m <sup>3</sup>
	Consumers	Skin contact	Long-term systemic effects	357000 mg/kg
	Consumers	Inhalation	Long-term systemic effects	124 mg/m <sup>3</sup>
	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
	Marine water	0,0525 mg/l
	Fresh water sediment	2,36 mg/kg
	Marine 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
	Marine water	0,018 mg/l
	Fresh water sediment	1,516 mg/kg
	Marine sediment	0,065 mg/kg
	Soil	0,654 mg/kg
	STP	5000 mg/l

## APESIN SANOL Q&E

WM 0715173

Order number: 0715173

Version 4.12

Revision Date 12.03.2025

Print Date 11.03.2026

	intermittent release	0,0295 mg/l
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### 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

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state : liquid

Colour : light red

Odour : odourized

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

# SAFETY DATA SHEET

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



Werner & Mertz  
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## APESIN SANOL Q&E

WM 0715173

Order number: 0715173

Version 4.12

Revision Date 12.03.2025

Print Date 11.03.2026

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
Vapour pressure	: No data available
Density	: ca. 1,0299 g/cm <sup>3</sup> at 20 °C
Relative density	: No data available
Relative vapour 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

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.

# SAFETY DATA SHEET

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



Werner & Mertz  
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## APESIN SANOL Q&E

WM 0715173

Order number: 0715173

Version 4.12

Revision Date 12.03.2025

Print Date 11.03.2026

### 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:

#### **I-(+)-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  
LD50 Oral (Rat, male): 4.936 mg/kg  
Acute inhalation toxicity : LC50 (Rat, male and female): 7,94 mg/l  
Exposure time: 4 h  
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: see user defined free text  
LD50 (Rat): > 2.000 mg/kg  
Acute inhalation toxicity : LC50 (Rat): 651 mg/l  
Exposure time: 4 h  
LC50 (Rat): 3,5 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Acute dermal toxicity : LD50 Dermal (Rabbit): > 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

## APESIN SANOL Q&E

WM 0715173

Order number: 0715173

Version 4.12

Revision Date 12.03.2025

Print Date 11.03.2026

### Skin corrosion/irritation

**Product:**

Remarks : Extremely corrosive and destructive to tissue.

**Components:**

**I-(+)-lactic acid**

**79-33-4:**

Species : Rabbit  
Result : Irritating to skin.

### 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 sensitisation

**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

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.

## APESIN SANOL Q&E

WM 0715173

Order number: 0715173

Version 4.12

Revision Date 12.03.2025

Print Date 11.03.2026

### 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

#### 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
		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
		ErC50 (Pseudokirchneriella subcapitata (microalgae)): 2.800 mg/l Exposure time: 72 h

## APESIN SANOL Q&E

WM 0715173

Order number: 0715173

Version 4.12

Revision Date 12.03.2025

Print Date 11.03.2026

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

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

NOEC (Daphnia magna (Water flea)): 560 mg/l  
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (microalgae)): > 1.000 mg/l  
Exposure time: 96 h  
Test Type: Cell multiplication inhibition test

NOEC (Selenastrum capricornutum): 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

## APESIN SANOL Q&E

WM 0715173

Order number: 0715173

Version 4.12

Revision Date 12.03.2025

Print Date 11.03.2026

		LC50 (Brachydanio rerio (zebrafish)): 2,95 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
		LC50 (Danio rerio (zebra fish)): 5,9 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia (water flea)): > 10 - 100 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
		EC50 (Daphnia magna (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 (Desmodesmus subspicatus (green algae)): 12,5 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
Toxicity to microorganisms	:	EC0 (Pseudomonas putida): > 100 mg/l Exposure time: 16 h Method: DIN 38412
Toxicity to fish (Chronic toxicity)	:	NOEC: > 1 mg/l Exposure time: 28 d Species: Brachydanio rerio Method: OECD Test Guideline 204
		NOEC: 1,8 mg/l Exposure time: 28 d Species: Brachydanio rerio Method: OECD Test Guideline 204
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	:	NOEC: > 1 mg/l Exposure time: 21 d 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 : 900 mg/g

## APESIN SANOL Q&E

WM 0715173

Order number: 0715173

Version 4.12

Revision Date 12.03.2025

Print Date 11.03.2026

(COD)

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:

#### 1-butoxypropan-2-ol

5131-66-8:

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

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 mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).. This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

## 12.6 Endocrine disrupting properties

No data available

## 12.7 Other adverse effects

### Product:

## APESIN SANOL Q&E

WM 0715173

Order number: 0715173

Version 4.12

Revision Date 12.03.2025

Print Date 11.03.2026

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 Catalogue  
20 01 29\*  
According to the European Waste Catalogue, 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.

### 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

# SAFETY DATA SHEET

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



Werner & Mertz  
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## APESIN SANOL Q&E

WM 0715173

Order number: 0715173

Version 4.12

Revision Date 12.03.2025

Print Date 11.03.2026

### 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.

## 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 vapour 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 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 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

# SAFETY DATA SHEET

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



## APESIN SANOL Q&E

WM 0715173

Order number: 0715173

Version 4.12

Revision Date 12.03.2025

Print Date 11.03.2026

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.

##### 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 Standardisation; 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 Organisation 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, Authorisation 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

# SAFETY DATA SHEET

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



Werner & Mertz  
Professional

## APESIN SANOL Q&E

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