

## APESIN ACTIVDES HYGIENE

WM 0715040

Order number: 0715040

Version 2.2

Revision Date 16.07.2026

Print Date 16.07.2026

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

#### 1.1 Product identifier

Trade name : APESIN ACTIVDES HYGIENE  
UFI : E704-Q0EX-2001-7CM5

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

Use of the Substance/Mixture : Biocidal product  
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)

Eye irritation, Category 2 H319: Causes serious eye irritation.

#### 2.2 Label elements

##### Labeling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal Word : Warning

Hazard Statements : H319 Causes serious eye irritation.

Precautionary Statements : P102 Keep out of reach of children.

**Prevention:**  
P280 Wear eye protection/ face protection.

**Response:**  
P301 + P312 IF SWALLOWED: Call a POISON CENTER/  
doctor if you feel unwell.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for  
several minutes. Remove contact lenses, if  
present and easy to do. Continue rinsing.

## APESIN ACTIVDES HYGIENE

WM 0715040

Order number: 0715040

Version 2.2

Revision Date 16.07.2026

Print Date 16.07.2026

P337 + P313

If eye irritation persists: Get medical advice/  
attention.

### Additional Labeling:

Safety data sheet available on request.

### 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.<br>EC-No.<br>Index-No.<br>Registration number     | Classification                                                                                                                                                           | Concentration<br>(% w/w) |
|--------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| sodium carbonate                                             | 497-19-8<br>207-838-8<br>011-005-00-2<br>01-2119485498-19 | Eye Irrit. 2; H319                                                                                                                                                       | >= 20 - < 25             |
| disodium carbonate, compound with<br>hydrogen peroxide (2:3) | 15630-89-4<br>239-707-6<br>01-2119457268-30               | Acute Tox. 4; H302<br>Ox. Sol. 3; H272<br>Eye Dam. 1; H318<br><br>specific concentration<br>limit<br>Eye Irrit. 2; H319<br>> 7,5 - < 25 %<br>Eye Dam. 1; H318<br>>= 25 % | >= 15 - < 20             |
| Silicic acid, sodium salt                                    | 1344-09-8<br>215-687-4<br>01-2119448725-31                | Eye Dam. 1; H318<br>Skin Irrit. 2; H315                                                                                                                                  | >= 5 - < 10              |
| Benzenesulfonic acid, C10-13-alkyl<br>derivs., sodium salts  | 68411-30-3<br>270-115-0<br>01-2119489428-22               | Acute Tox. 4; H302<br>Skin Irrit. 2; H315<br>Eye Dam. 1; H318<br>Aquatic Chronic 3;<br>H412                                                                              | >= 3 - < 5               |
| Alcohols, C12-15, branched and<br>linear, ethoxylated        | 106232-83-1<br>500-294-5                                  | Eye Dam. 1; H318<br>Aquatic Chronic 3;<br>H412                                                                                                                           | >= 1 - < 2,5             |

## APESIN ACTIVDES HYGIENE

WM 0715040

Order number: 0715040

Version 2.2

Revision Date 16.07.2026

Print Date 16.07.2026

Acute Tox. 4; H302

### 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.  
If symptoms persist, call a physician.
- In case of skin contact : Take off contaminated clothing and shoes immediately.  
Wash off with soap and plenty of water.  
If symptoms persist, call a physician.
- In case of eye contact : Protect unharmed eye.  
If easy to do, remove contact lens, if worn.  
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
If eye irritation persists, consult a specialist.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
Obtain medical attention.

#### 4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : Irritation
- 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.

## APESIN ACTIVDES HYGIENE

WM 0715040

Order number: 0715040

Version 2.2

Revision Date 16.07.2026

Print Date 16.07.2026

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.  
Avoid dust formation.  
Avoid breathing dust.  
Ensure adequate ventilation.

#### 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 acid.  
Pick up and arrange disposal without creating dust.  
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.  
Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion : Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed.

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. Store in cool place. Store at room temperature in the original container. To maintain product quality, do not store in heat or direct sunlight.

Further information on storage stability : Keep in a dry place.  
No decomposition if stored and applied as directed.  
Protect from frost, heat and sunlight.

#### 7.3 Specific end use(s)

## APESIN ACTIVDES HYGIENE

WM 0715040

Order number: 0715040

Version 2.2

Revision Date 16.07.2026

Print Date 16.07.2026

Specific use(s) : Biocidal product

### 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   | Routes of exposure | Potential health effects   | Value             |
|-----------------------------------------------------------|-----------|--------------------|----------------------------|-------------------|
| sodium carbonate                                          | Workers   | Inhalation         | Long-term local effects    | 10 mg/m3          |
|                                                           | Consumers | Inhalation         | Acute local effects        | 5 mg/m3           |
| disodium carbonate, compound with hydrogen peroxide (2:3) | Workers   | Skin contact       | Acute local effects        | 12,8 mg/cm2       |
|                                                           | Workers   | Inhalation         | Long-term local effects    | 5 mg/m3           |
|                                                           | Consumers | Skin contact       | Acute local effects        | 6,4 mg/cm2        |
| Silicic acid, sodium salt                                 | Workers   | Skin contact       | Long-term systemic effects | 1,59 mg/kg bw/day |
|                                                           | Workers   | Inhalation         | Long-term systemic effects | 5,61 mg/m3        |
|                                                           | Consumers | Skin contact       | Long-term systemic effects | 0,8 mg/kg bw/day  |
|                                                           | Consumers | Inhalation         | Long-term systemic effects | 1,38 mg/m3        |
|                                                           | Consumers | Ingestion          | Long-term systemic effects | 0,8 mg/kg bw/day  |
| Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts  | Workers   | Skin contact       | Long-term systemic effects | 170 mg/kg         |
|                                                           | Workers   | Inhalation         | Long-term systemic effects | 12 mg/m3          |
|                                                           | Workers   | Inhalation         | Long-term local effects    | 12 mg/m3          |
|                                                           | Consumers | Skin contact       | Long-term systemic effects | 85 mg/kg          |
|                                                           | Consumers | Inhalation         | Long-term systemic         | 3 mg/m3           |

## APESIN ACTIVDES HYGIENE

WM 0715040

Order number: 0715040

Version 2.2

Revision Date 16.07.2026

Print Date 16.07.2026

|  |           |            | effects                    |             |
|--|-----------|------------|----------------------------|-------------|
|  | Consumers | Ingestion  | Long-term systemic effects | 0,85 mg/kg  |
|  | Consumers | Inhalation | Long-term local effects    | 3 mg/m3     |
|  | Workers   | Dermal     | Chronic effects            | 85 mg/kg    |
|  | Workers   | Inhalation | Chronic effects            | 6 mg/m3     |
|  | Consumers | Dermal     | Chronic effects            | 42,5 mg/kg  |
|  | Consumers | Inhalation | Chronic effects            | 1,5 mg/m3   |
|  | Consumers | Oral       | Chronic effects            | 0,425 mg/kg |

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

| Substance name                                            | Environmental Compartment | Value       |
|-----------------------------------------------------------|---------------------------|-------------|
| disodium carbonate, compound with hydrogen peroxide (2:3) | Fresh water               | 0,035 mg/l  |
|                                                           | Sea water                 | 0,035 mg/l  |
| Silicic acid, sodium salt                                 | Fresh water               | 7,5 mg/l    |
|                                                           | Sea water                 | 1 mg/l      |
|                                                           | intermittent release      | 7,5 mg/l    |
|                                                           | STP                       | 348 mg/l    |
| Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts  | Fresh water               | 0,268 mg/l  |
|                                                           | Sea water                 | 0,0268 mg/l |
|                                                           | Fresh water sediment      | 8,1 mg/kg   |
|                                                           | Sea sediment              | 8,1 mg/kg   |
|                                                           | Soil                      | 35 mg/kg    |
|                                                           | intermittent release      | 0,0167 mg/l |
|                                                           | STP                       | 3,43 mg/l   |

### 8.2 Exposure controls

#### Personal protective equipment

Eye/face protection : If splashes are likely to occur, wear:  
Tightly fitting safety goggles

## APESIN ACTIVDES HYGIENE

**WM 0715040**

**Order number: 0715040**

Version 2.2

Revision Date 16.07.2026

Print Date 16.07.2026

### Hand protection

**Material** : For prolonged or repeated contact use protective gloves.

It is suggested the usage of chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374.

As alternative, a different type of gloves might be used if, accordingly to the recommendations of the producer, guarantee the same level of protection.

**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** : not required under normal 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** : powder

**Color** : white

**Odor** : pleasant

**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

## APESIN ACTIVDES HYGIENE

WM 0715040

Order number: 0715040

Version 2.2

Revision Date 16.07.2026

Print Date 16.07.2026

|                                        |                             |
|----------------------------------------|-----------------------------|
| Ignition temperature                   | : No data available         |
| Decomposition temperature              | : No data available         |
| pH                                     | : ca. 10,5, 1 %<br>at 20 °C |
| Viscosity, dynamic                     | : No data available         |
| Viscosity, kinematic                   | : No data available         |
| Water solubility                       | : completely soluble        |
| Solubility in other solvents           | : No data available         |
| Partition coefficient: n-octanol/water | : No data available         |
| Vapor pressure                         | : No data available         |
| Density                                | : 0,67 g/cm <sup>3</sup>    |
| 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

Conditions to avoid : Protect from frost, heat and sunlight.

### 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.

## APESIN ACTIVDES HYGIENE

WM 0715040

Order number: 0715040

Version 2.2

Revision Date 16.07.2026

Print Date 16.07.2026

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:

##### sodium carbonate

###### 497-19-8:

Acute oral toxicity : LD50 (Rat): 2.800 mg/kg  
LD50 Oral (Rat): 4.090 mg/kg

Acute inhalation toxicity : LC50 (Rat): 2.300 mg/m3  
Exposure time: 2 h  
Method: OECD Test Guideline 403

LC50 (Mouse): 1,2 mg/l  
Exposure time: 2 h

Acute dermal toxicity : LD50 Dermal (Rabbit): > 2.000 mg/kg  
LD50 Dermal (Rat): > 2.000 mg/kg

##### disodium carbonate, compound with hydrogen peroxide (2:3)

###### 15630-89-4:

Acute oral toxicity : LD50 Oral (Rat): 1.034 mg/kg

Acute dermal toxicity : LD50 Dermal (Rabbit): > 2.000 mg/kg  
Method: see user defined free text

##### Silicic acid, sodium salt

###### 1344-09-8:

Acute oral toxicity : LD50 Oral (Rat): 3.400 mg/kg

Acute inhalation toxicity : LC50 (Rat): 2,06 mg/l  
Exposure time: 4 h

Acute dermal toxicity : LD50 (Rat): > 5.000 mg/kg

##### Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

###### 68411-30-3:

Acute oral toxicity : LD50 Oral (Rat): > 2.000 mg/kg  
Method: OECD Test Guideline 401  
Test substance: see user defined free text  
Target Organs: Gastrointestinal tract  
Symptoms: Diarrhea, Drowsiness, Breathing difficulties

LD50 (Rat, male and female): 1.080 mg/kg  
Method: OECD Test Guideline 401

## APESIN ACTIVDES HYGIENE

WM 0715040

Order number: 0715040

Version 2.2

Revision Date 16.07.2026

Print Date 16.07.2026

Acute dermal toxicity : LD50 Dermal (Rat): > 2.000 mg/kg  
Method: OECD Test Guideline 402  
Symptoms: Crusting

### Alcohols, C12-15, branched and linear, ethoxylated

#### 106232-83-1:

Acute oral toxicity : LD50 Oral (Rat): 300 - 2.000 mg/kg

Acute dermal toxicity : LD50 Dermal (Rat): > 2.000 mg/kg

### Skin corrosion/irritation

#### Product:

Remarks : According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

#### Components:

##### sodium carbonate

#### 497-19-8:

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : No skin irritation

### Silicic acid, sodium salt

#### 1344-09-8:

Result : Skin irritation

### Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

#### 68411-30-3:

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : irritating

### Alcohols, C12-15, branched and linear, ethoxylated

#### 106232-83-1:

Species : Rabbit  
Result : No skin irritation

### Serious eye damage/eye irritation

#### Product:

Remarks : Product dust may be irritating to eyes, skin and respiratory system.  
Causes serious eye irritation.

#### Components:

##### sodium carbonate

#### 497-19-8:

Species : Rabbit  
Result : Eye irritation

## APESIN ACTIVDES HYGIENE

WM 0715040

Order number: 0715040

Version 2.2

Revision Date 16.07.2026

Print Date 16.07.2026

### Silicic acid, sodium salt

#### 1344-09-8:

Method : OECD Test Guideline 405  
Result : Causes serious eye damage.

### Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

#### 68411-30-3:

Species : Rabbit  
Method : OECD Test Guideline 405  
Result : Risk of serious damage to eyes.

### Alcohols, C12-15, branched and linear, ethoxylated

#### 106232-83-1:

Species : Rabbit  
Result : Irritating to eyes.

### Respiratory or skin sensitization

#### Product:

Remarks : No data available

#### Components:

##### sodium carbonate

#### 497-19-8:

Result : Not a skin sensitizer.

### Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

#### 68411-30-3:

Test Type : Maximization Test  
Species : Guinea pig  
Method : OECD Test Guideline 406  
Result : Did not cause sensitization on laboratory animals.

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

STOT-repeated exposure : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

## APESIN ACTIVDES HYGIENE

WM 0715040

Order number: 0715040

Version 2.2

Revision Date 16.07.2026

Print Date 16.07.2026

### Components:

**Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts**

#### **68411-30-3:**

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

### **Repeated dose toxicity**

#### Components:

**Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts**

#### **68411-30-3:**

Species : Rat  
NOAEL : 125 mg/kg  
LOAEL : 250 mg/kg  
Application Route : Oral  
Exposure time : 28 d  
Target Organs : Blood, Liver, Heart  
Symptoms : Diarrhea

Species : Rat  
NOAEL : 40 mg/kg  
LOAEL : 115 mg/kg  
Application Route : Oral  
Exposure time : 180 d  
Target Organs : Blood, Kidney  
Symptoms : Diarrhea

Species : Rat  
NOAEL : 85 mg/kg  
LOAEL : 145 mg/kg  
Application Route : Oral  
Exposure time : 270 d  
Target Organs : Blood

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

## APESIN ACTIVDES HYGIENE

WM 0715040

Order number: 0715040

Version 2.2

Revision Date 16.07.2026

Print Date 16.07.2026

### SECTION 12: Ecological information

#### 12.1 Toxicity

##### Components:

##### **sodium carbonate**

##### **497-19-8:**

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 300 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 200 - 227 mg/l  
aquatic invertebrates Exposure time: 48 h

EC50 (Daphnia): 264 mg/l  
Exposure time: 48 h

EC50 (Ceriodaphnia dubia (water flea)): 200 - 227 mg/l  
Exposure time: 48 h  
Test Type: semi-static test

##### **disodium carbonate, compound with hydrogen peroxide (2:3)**

##### **15630-89-4:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 70,7 mg/l  
Exposure time: 96 h

NOEC (Pimephales promelas (fathead minnow)): 7,4 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Daphnia pulex (Water flea)): 4,9 mg/l  
aquatic invertebrates Exposure time: 48 h

Toxicity to daphnia and other : NOEC: 2 mg/l  
aquatic invertebrates (Chronic toxicity) Species: Daphnia pulex (Water flea)

##### **Silicic acid, sodium salt**

##### **1344-09-8:**

Toxicity to fish : LC50 (Brachydanio rerio): 1.108 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

LC50 (Danio rerio (zebra fish)): > 100 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 1.700 mg/l  
aquatic invertebrates Exposure time: 48 h  
Method: OECD Test Guideline 202

Toxicity to microorganisms : EC0 (Pseudomonas putida): > 1.000 mg/l  
Exposure time: 48 h

##### **Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts**

##### **68411-30-3:**

Toxicity to fish : LC50 (Fish): 1,67 mg/l  
Exposure time: 96 h  
Method: OPPTS 850.1500

# SAFETY DATA SHEET

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



## APESIN ACTIVDES HYGIENE

WM 0715040

Order number: 0715040

Version 2.2

Revision Date 16.07.2026

Print Date 16.07.2026

|                                                                        |   |                                                                                                                         |
|------------------------------------------------------------------------|---|-------------------------------------------------------------------------------------------------------------------------|
|                                                                        |   | NOEC (Pimephales promelas (fathead minnow)): 0,63 mg/l<br>Exposure time: 196 d                                          |
|                                                                        |   | NOEC (Oncorhynchus mykiss (rainbow trout)): 0,23 mg/l<br>Exposure time: 72 d                                            |
| Toxicity to daphnia and other aquatic invertebrates                    | : | LC50 (Daphnia): 2,4 mg/l<br>Exposure time: 48 h<br>Method: Directive 67/548/EEC, Annex V, C.2.                          |
|                                                                        |   | NOEC (Daphnia): > 1,41 mg/l<br>Exposure time: 21 d<br>Method: OECD Test Guideline 211                                   |
|                                                                        |   | EC50 (Daphnia magna (Water flea)): 2,9 mg/l<br>Exposure time: 48 h<br>Method: OECD Test Guideline 202                   |
| Toxicity to algae/aquatic plants                                       | : | EbC50 (Pseudokirchneriella subcapitata (green algae)): 47,3 mg/l<br>Exposure time: 72 h                                 |
|                                                                        |   | (Chlorella vulgaris (Fresh water algae)): 3,1 mg/l<br>Exposure time: 15 d<br>Test Type: static test                     |
|                                                                        |   | EC50 (Pseudokirchneriella subcapitata (green algae)): 29 mg/l<br>Exposure time: 96 h                                    |
| Toxicity to microorganisms                                             | : | EC50 (Bacteria): 550 mg/l<br>Exposure time: 3 h<br>Test Type: Respiration inhibition<br>Method: OECD Test Guideline 209 |
| Toxicity to fish (Chronic toxicity)                                    | : | > 0,1 - 1 mg/l<br>Exposure time: 28 d<br>Species: Lepomis macrochirus (Bluegill sunfish)                                |
|                                                                        |   | NOEC: 0,268 mg/l<br>Exposure time: 96 d<br>Species: Fish                                                                |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | : | NOEC: > 1 - 10 mg/l                                                                                                     |
|                                                                        |   | NOEC: 2,9 mg/l<br>Exposure time: 32 d                                                                                   |
| Plant toxicity                                                         | : | NOEC: 100 mg/kg<br>Species: Sorghum bicolor (sorghum)<br>Method: OECD 208                                               |

### Alcohols, C12-15, branched and linear, ethoxylated

#### 106232-83-1:

|                                                     |   |                                                 |
|-----------------------------------------------------|---|-------------------------------------------------|
| Toxicity to fish                                    | : | LC50 (Fish): > 1 mg/l<br>Exposure time: 96 h    |
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Daphnia): > 1 mg/l<br>Exposure time: 48 h |

## APESIN ACTIVDES HYGIENE

WM 0715040

Order number: 0715040

Version 2.2

Revision Date 16.07.2026

Print Date 16.07.2026

NOEC (Daphnia): 0,1 - 1 mg/l

Toxicity to algae/aquatic plants : EC50 (algae): > 1 mg/l  
Exposure time: 72 h

### 12.2 Persistence and degradability

#### Components:

##### **Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts**

###### **68411-30-3:**

Biodegradability : Test Type: aerobic  
Result: rapidly biodegradable  
Exposure time: 28 d  
Kinetic:  
: > 60 %  
Method: OECD 301 B  
Remarks: The surfactant(s) contained in this mixture complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Result: Readily biodegradable.  
Exposure time: 28 d  
Kinetic:  
: 85 %  
Method: OECD 301 B

Result: Readily biodegradable.  
Exposure time: 122 d  
Kinetic:  
: 70 - 99 %

##### **Alcohols, C12-15, branched and linear, ethoxylated**

###### **106232-83-1:**

Biodegradability : Result: Readily biodegradable.  
Biodegradation: > 60 %  
Exposure time: 14 d

Biochemical Oxygen Demand (BOD) : 696 mg/g

Chemical Oxygen Demand (COD) : 1.616 mg/g

### 12.3 Bioaccumulative potential

#### Components:

##### **Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts**

###### **68411-30-3:**

Bioaccumulation : Species: Pimephales promelas (fathead minnow)  
Exposure time: 192 h  
Bioconcentration factor (BCF): 87  
Method: see user defined free text  
Remarks: Does not significantly accumulate in organisms.

## APESIN ACTIVDES HYGIENE

WM 0715040

Order number: 0715040

Version 2.2

Revision Date 16.07.2026

Print Date 16.07.2026

### 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.

#### Components:

**Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts**

#### **68411-30-3:**

Assessment : Not persistent, bioaccumulative, and toxic (PBT).. Not very persistent and very bioaccumulative (vPvB).

### 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.

#### Components:

#### **68411-30-3:**

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.

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## 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.

## APESIN ACTIVDES HYGIENE

WM 0715040

Order number: 0715040

Version 2.2

Revision Date 16.07.2026

Print Date 16.07.2026

### SECTION 14: Transport information

#### 14.1 UN number or ID number

**ADR**

Not dangerous goods

**RID**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

#### 14.2 UN proper shipping name

Not regulated as a dangerous good

#### 14.3 Transport hazard class(es)

**ADR**

Not dangerous goods

**RID**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

#### 14.4 Packing group

**ADR**

Not dangerous goods

**RID**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

#### 14.5 Environmental hazards

**ADR**

Not dangerous goods

**RID**

Not dangerous goods

**IMDG**

Not regulated as a dangerous good

**IATA**

Not dangerous goods

#### 14.6 Special precautions for user

Remarks : Not classified as dangerous in the meaning of transport 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 : Not applicable

## APESIN ACTIVDES HYGIENE

WM 0715040

Order number: 0715040

Version 2.2

Revision Date 16.07.2026

Print Date 16.07.2026

chemicals

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Not applicable

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: Not applicable  
: Carcinogenic substances: Not applicable  
: mutagenic: Not applicable  
: Toxic to reproduction: Not applicable

according to Detergents Regulation EC 648/2004 : 15 - <30% oxygen-based bleaching agents, 5 - <15% zeolites, <5% phosphonates, anionic surfactants, non-ionic surfactants, soap, optical brighteners, perfumes

### 15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this substance.

## SECTION 16: Other information

### Full text of H-Statements

H272 : May intensify fire; oxidizer.  
H302 : Harmful if swallowed.  
H315 : Causes skin irritation.  
H318 : Causes serious eye damage.  
H319 : Causes serious eye irritation.  
H412 : Harmful to aquatic life with long lasting effects.

### Full text of other abbreviations

Acute Tox. : Acute toxicity  
Aquatic Chronic : Long-term (chronic) aquatic hazard  
Eye Dam. : Serious eye damage  
Eye Irrit. : Eye irritation  
Ox. Sol. : Oxidizing solids  
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

# SAFETY DATA SHEET

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



## APESIN ACTIVDES HYGIENE

WM 0715040

Order number: 0715040

Version 2.2

Revision Date 16.07.2026

Print Date 16.07.2026

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:

Eye Irrit. 2

H319

#### Classification procedure:

The skin and/or eye classification of this product was derived using bridging principles (such as dilution, interpolation within one hazard category or substantially similar mixtures; with or without expert judgement) following Article 9(3) and Article 9(4) of Regulation (EC) No 1272/2008.

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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