

APESIN SAN

WM 0714817

Order number: 0714817

Version 3.4

Revision Date 31.10.2020

Print Date 02.02.2022

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

1.1 Product identifier

Trade name : APESIN SAN
Identification number : 62275, 64596

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 : +4961319642414
E-mail address : Produktsicherheit@werner-mertz.com
Responsible/issuing person
Contact person : Product development / product safety

1.4 Emergency telephone number

112
+49(0)6131-19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Corrosive to metals, Category 1	H290: May be corrosive to metals.
Skin corrosion, Category 1A	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	: H290 H314	May be corrosive to metals. Causes severe skin burns and eye damage.
Precautionary statements	: P102	Keep out of reach of children.

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Prevention:

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

Response:

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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 contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:
methanesulphonic acid

Safety data sheet available on request.

2.3 Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)
methanesulphonic acid	75-75-2 200-898-6 01-2119491166-34	Skin Corr. 1B; H314 Met. Corr. 1; H290 Acute Tox. 4; H302 Acute Tox. 4; H312 STOT SE 3; H335 Eye Dam. 1; H318 SCL 5 - 100 % 1B; H314 3 - < 5 % 1; H318 3 - < 5 % 2; H315 1 - < 3 % 2; H319 1 - < 3 % 2; H315	>= 5 - < 10
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	68439-57-6 270-407-8 01-2119513401-57	Skin Irrit. 2; H315 Eye Dam. 1; H318 SCL >= 5 % 2; H315 > 5 - 38 % 2; H319 > 38 % 1; H318	>= 5 - < 10



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I-(+)-lactic acid	79-33-4 201-196-2 01-2119474164-39	Skin Corr. 1C; H314 Eye Dam. 1; H318 SCL ≥ 10 % 2; H315 ≥ 3 % 1; H318 1 - < 3 % 2; H319	≥ 5 - < 10
1-butoxypropan-2-ol	5131-66-8 225-878-4 01-2119475527-28	Eye Irrit. 2; H319 Skin Irrit. 2; H315 SCL > 20 % 2; H319 > 20 % 2; H315	≥ 5 - < 10

For explanation of abbreviations see section 16.

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.
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.
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.

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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.

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.

6.3 Methods and materials 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. Dispose of rinse water in accordance with local and national regulations.



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- 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. Store in cool place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store at room temperature in the original container. To maintain product quality, do not store in heat or direct sunlight.
- Other data : No decomposition if stored and applied as directed. Protect from frost, heat and sunlight.

7.3 Specific end use(s)

- Specific use(s) : Biocidal product

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

DNEL

- methanesulphonic acid**
75-75-2:
- : End Use: Workers
Exposure routes: Inhalation
Potential health effects: Long-term local effects
Value: 2,89 mg/m³
- End Use: Workers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects
Value: 19,44 mg/kg
- End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 1,44 mg/kg
- End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Acute systemic effects
Value: 1,44 mg/kg
- End Use: Consumers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects
Value: 8,33 mg/kg
- End Use: Workers



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Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 6,76 mg/m³

End Use: Consumers
Exposure routes: Ingestion
Potential health effects: Long-term systemic effects
Value: 8,33 mg/kg

End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Long-term local effects
Value: 1,73 mg/m³

End Use: Workers
Exposure routes: Inhalation
Potential health effects: Long-term exposure
Value: 0,7 mg/m³

End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Long-term local effects
Value: 0,42 mg/m³

Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts
68439-57-6: : End Use: Workers
Exposure routes: Skin contact
Potential health effects: Long-term exposure, Systemic effects
Value: 2158,33 mg/kg

End Use: Workers
Exposure routes: Inhalation
Potential health effects: Long-term exposure, Systemic effects
Value: 152,22 mg/m³

End Use: Consumers
Exposure routes: Skin contact
Potential health effects: Long-term exposure, Systemic effects
Value: 1295 mg/kg

End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Long-term exposure, Systemic effects
Value: 45,04 mg/m³

End Use: Consumers
Exposure routes: Ingestion
Potential health effects: Long-term exposure, Systemic effects
Value: 12,95 mg/kg

1-butoxypropan-2-ol
5131-66-8: : End Use: Workers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 147 mg/m³

End Use: Workers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects
Value: 52 mg/kg bw/day

End Use: Consumers



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Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 43 mg/m³

End Use: Consumers
Exposure routes: Dermal
Potential health effects: Long-term systemic effects
Value: 22 mg/kg bw/day

End Use: Consumers
Exposure routes: Ingestion
Potential health effects: Long-term systemic effects
Value: 12,5 mg/kg bw/day

PNEC

**methanesulphonic acid
75-75-2:**

: Fresh water
Value: 0,012 mg/l

Marine water
Value: 0,0012 mg/l

Fresh water sediment
Value: 0,0251 mg/kg

Soil
Value: 0,00183 mg/kg

Intermittent use/release
Value: 0,12 mg/l

Sewage treatment plant
Value: 100 mg/l

**Sulfonic acids, C14-16-alkane
hydroxy and C14-16-alkene,
sodium salts
68439-57-6:**

: Fresh water
Value: 0,042 mg/l

Marine water
Value: 0,0042 mg/l

Fresh water sediment
Value: 2,025 mg/l

Marine sediment
Value: 0,2025 mg/l

Soil
Value: 0,0061 mg/l

STP
Value: 4 mg/l

**1-butoxypropan-2-ol
5131-66-8:**

: Fresh water
Value: 0,525 mg/l

Marine water
Value: 0,0525 mg/l

Fresh water sediment

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Value: 2,36 mg/kg

Marine sediment
Value: 0,236 mg/kg

Soil
Value: 0,16 mg/kg

STP
Value: 10 mg/l

intermittent release
Value: 5,25 mg/l

8.2 Exposure controls

Personal protective equipment

Eye 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

Environmental exposure controls

General advice : Do not flush into surface water or sanitary sewer system.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour : red

Odour : characteristic

Odour Threshold : No data available

pH : ca. 0,3, at 20 °C

Melting point/range : No data available

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Boiling point/boiling range	: No data available
Flash point	: Not applicable
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Flammability (liquids)	: No data available
Burning rate	: No data available
Lower explosion limit	: No data available
Upper explosion limit	: No data available
Vapour pressure	: No data available
Relative vapour density	: No data available
Relative density	: No data available
Density	: ca. 1,048 g/cm ³ at 20 °C

Water solubility	: No data available
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Ignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity, dynamic	: No data available
Viscosity, kinematic	: No data available
Explosive properties	: No data available
Oxidizing properties	: 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.
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10.4 Conditions to avoid

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

Materials to avoid	: No data available
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10.6 Hazardous decomposition products

Hazardous decomposition products : No hazardous decomposition products are known.
Other information : No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

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.

Product

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

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

Skin corrosion/irritation : Extremely corrosive and destructive to tissue.

Serious eye damage/eye irritation : May cause irreversible eye damage.

Respiratory or skin sensitisation : No data available

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.

Aspiration toxicity : Not Rated

Further information : No data available

Components:

methanesulphonic acid

75-75-2:

Acute oral toxicity : LD50 Rat: 200 mg/kg

LD50 Rat: 649 mg/kg



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Acute inhalation toxicity : LC0 Mouse: > 1,88 mg/l
Exposure time: 1 h

LC0 Rat: 0,74 mg/l
Exposure time: 6 h

Acute dermal toxicity : LD50 Rabbit: > 1.000 - 2.000 mg/kg

Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts 68439-57-6:

Acute oral toxicity : LD50 Oral Rat: > 2.000 mg/kg
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 Rat: 52 mg/l
Exposure time: 4 h
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 Dermal Rabbit: 6.300 mg/kg
Method: OECD Test Guideline 402

Skin corrosion/irritation : Species: Rabbit
Result: Irritating to skin.
Method: OECD Test Guideline 404

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

Respiratory or skin sensitisation : Species: Guinea pig
Result: Did not cause sensitisation on laboratory animals.
Method: OECD Test Guideline 406

Repeated dose toxicity : Rat: NOAEL: 259 mg/kg

Application Route: Dermal
Exposure time: 2 Years

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

LD50 Oral Rat, male: 4.936 mg/kg

Acute inhalation toxicity : LC50 Rat, male and female: 7,94 mg/l



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Exposure time: 4 h

- Acute dermal toxicity : LD50 Rabbit: > 2.000 mg/kg
- Skin corrosion/irritation : Species: Rabbit
Result: Irritating to skin.
- Serious eye damage/eye irritation : Species: Chicken eye
Result: Causes serious eye damage.
- Respiratory or skin sensitisation : Species: Guinea pig
Result: Not a skin sensitizer.
- Repeated dose toxicity : Rat: LOAEL: 886 mg/kg
Application Route: Dermal
- NOAEL: 5.000 mg/l
- Application Route: Oral

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
- Acute dermal toxicity : LD50 Dermal Rabbit: > 2.000 mg/kg
Method: OECD Test Guideline 402

SECTION 12: Ecological information

12.1 Toxicity

Components:

methanesulphonic acid 75-75-2:

- Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 10 - 100 mg/l
Exposure time: 96 h
Test Type: static test
Method: OECD Test Guideline 203
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 10 - 100 mg/l
Exposure time: 48 h
Test Type: static test
Method: OECD Test Guideline 202
- Toxicity to algae : EC50 (Scenedesmus capricornutum (fresh water algae)): 10 - 100



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mg/l
Exposure time: 72 h
Test Type: Growth inhibition
Method: OECD Test Guideline 201

Toxicity to bacteria : EC50 : 10 - 100 mg/l
Exposure time: 72 h
Method: see user defined free text
Remarks: see user defined free text

Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts 68439-57-6:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): 4,2 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other
aquatic invertebrates : (Daphnia magna (Water flea)): 4,53 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

Toxicity to algae : (Skeletonema costatum (marine diatom)): 5,2 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

Toxicity to bacteria : EC50 (Bacteria): 230 mg/l
Method: OECD Test Guideline 209

Plant toxicity : 2025 mg/l Duration: 10 d

L-(+)-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 : EC50 (Scenedesmus capricornutum (fresh water algae)): 3.500 mg/l
ErC50 (Pseudokirchneriella subcapitata (microalgae)): 2.800 mg/l
Exposure time: 72 h



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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 bacteria : 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

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 : 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 bacteria : EC50 (Bacteria): > 1.000 mg/l
Exposure time: 3 h
Method: OECD Test Guideline 209

12.2 Persistence and degradability

Components:

methanesulphonic acid 75-75-2:

Biodegradability : Result: rapidly biodegradable
Biodegradation: > 99 %
Exposure time: 28 d



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Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts 68439-57-6:

Biodegradability : Biodegradation: > 80 %
Method: OECD 301 B
Remarks: According to the results of tests of biodegradability this product is considered as being readily biodegradable.

Chemical Oxygen Demand (COD) : 790 mg/g

Dissolved organic carbon (DOC) : 190 mg/g

L-(+)-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.

12.3 Bioaccumulative potential

Components:

methanesulphonic acid 75-75-2:

Partition coefficient: n-octanol/water : log Pow: -2,38

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

12.4 Mobility in soil

Components:

methanesulphonic acid 75-75-2:

Distribution among environmental compartments : Koc: 1
Remarks: Highly mobile in soils



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12.5 Results of PBT and vPvB assessment

Not relevant

12.6 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.
Offer surplus and non-recyclable solutions to a licensed disposal company.
- Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.

SECTION 14: Transport information

14.1 UN number

- ADR : 3265
IMDG : 3265
IATA : 3265

14.2 Proper shipping name

- ADR : CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
(methanesulphonic acid)
- IMDG : CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
(methanesulphonic acid)
- IATA : Corrosive liquid, acidic, organic, n.o.s. Not permitted for transport

14.3 Transport hazard class

- ADR : 8
IMDG : 8
IATA : 8

14.4 Packing group

- ADR
Classification Code : C3
Packaging group : III
Hazard Identification Number : 80
Labels : 8
Tunnel restriction code : (E)
- IMDG
Packaging group : III
Labels : 8
EmS Number : F-A, S-B
- IATA
(Cargo) : Corrosive liquid, acidic, organic, n.o.s. Not permitted for transport
Packaging group : III



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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 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

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, preparations 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: 7,02 %
: 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: 17,62 %
923,24 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: 17,62 %
184,69 g/l
VOC content valid only for coating materials used on wood surfaces

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Regulation (EU) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products

Registration number : N-79655

according to Detergents : 5 - <15% Anionic surfactants, Perfumes, LACTIC ACID
Regulation EC 648/2004

GISBAU (D) : GD 0

15.2 Chemical safety assessment

SECTION 16: Other information

Full text of H-Statements

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

Further information

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

Classification procedure:	H290	Calculation method
	H314	On basis of test data.
	H318	On basis of test data.

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; 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 -

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Tana-Chemie GmbH
Werner & Mertz Group

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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; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

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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