

SANET inoSwitch

WM 0716163

Order number: 0716163

Version 3.1

Revision Date 21.01.2026

Print Date 11.03.2026

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

1.1 Product identifier

Trade name : SANET inoSwitch
UFI : 00Q7-E08P-J00P-NSQE

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

Use of the Substance/Mixture : Cleaning agent
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:
P264 Wash skin thoroughly after handling.
P280 Wear eye protection/ face protection.
Response:
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/

SAFETY DATA SHEET

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



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attention.

Safety data sheet available on request.

Classification in use concentration

5ml/4L; 5ml/0,75L; Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

2.3 Other hazards

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

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

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

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

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

| Chemical name | CAS-No. EC-No. Index-No. Registration number | Classification | Concentration (% w/w) |
|---|--|--|--------------------------|
| Citric acid | 77-92-9 201-069-1 607-750-00-3 01-2119457026-42 | STOT SE 3; H335 Eye Irrit. 2; H319 | >= 5 - < 10 |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts | 68891-38-3 500-234-8 01-2119488639-16 | Skin Irrit. 2; H315 Eye Dam. 1; H318 specific concentration limit Eye Irrit. 2; H319 5 - < 10 % Eye Dam. 1; H318 >= 10,0 % Skin Irrit. 2; H315 >= 10 % | >= 1 - < 3 |
| l-(+)-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 % | >= 1 - < 3 |

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| | | | |
|--|--|--|--|
| | | Eye Irrit. 2; H319 1 - < 3 % Skin Corr. 1C; H314 >= 5 % | |
|--|--|--|--|

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 : 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 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 : corrosive effects
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

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5.3 Advice for firefighters

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

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

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

6.2 Environmental precautions

- Environmental precautions : Try to prevent the material from entering drains or water courses.

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.

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7.3 Specific end use(s)

Specific use(s) : Cleaning agent

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 |
|--|-----------|--------------------|--|--------------------------|
| l-(+)-lactic acid | Workers | Inhalation | Short-term exposure, Local effects | 592 mg/m ³ |
| | Consumers | Ingestion | Short-term exposure, Systemic effects | 35,4 mg/kg |
| | Consumers | Inhalation | Short-term exposure, Local effects | 296 mg/m ³ |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts, Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts | Workers | Inhalation | Long-term systemic effects | 175 mg/m ³ |
| | Consumers | Inhalation | Long-term systemic effects | 52 mg/m ³ |
| | Consumers | Ingestion | Long-term systemic effects | 15 mg/kg bw/day |
| | Consumers | Skin contact | Long-term local effects | 0,079 mg/cm ² |
| | Workers | Skin contact | Long-term systemic effects | 5830 mg/kg bw/day |
| | Consumers | Skin contact | | 2500 mg/kg bw/day |
| | | | | |

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

| Substance name | Environmental Compartment | Value |
|--------------------------|---------------------------|------------|
| Citric acid, citric acid | Fresh water | 0,44 mg/l |
| | Sea water | 0,044 mg/l |

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| | | |
|--|----------------------|--------------------------------|
| | STP | > 1000 mg/l |
| | Fresh water sediment | 34,6 mg/kg |
| | Sea sediment | 3,46 mg/kg |
| | Soil | 33,1 mg/kg |
| l-(+)-lactic acid | Fresh water | 1,3 mg/l |
| | STP | 10 mg/l |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts, Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts | Fresh water | 0,129 mg/l |
| | Sea water | 0,0129 mg/l |
| | Fresh water sediment | 4,835 mg/kg dry weight (d.w.) |
| | Sea sediment | 0,4835 mg/kg dry weight (d.w.) |
| | Soil | 7,5 mg/kg dry weight (d.w.) |
| | STP | 10000 mg/l |
| | intermittent release | 0,071 mg/l |
| sodium dihydrogen citrate | Fresh water | 0,44 mg/l |
| | Sea water | 0,044 mg/l |
| | Fresh water sediment | 34,6 mg/kg |
| | Sea sediment | 3,46 mg/kg |

8.2 Exposure controls

Personal protective equipment

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

Hand protection

Material : For prolonged or repeated contact use protective gloves.

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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

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state : liquid

Color : red

Odor : characteristic

Melting point/freezing point : No data available

Boiling point/boiling range : No data available

Flammability (solid, gas) : No data available

Flammability (liquids) : No data available

Lower explosion limit : No data available

Upper explosion limit : No data available

Flash point : does not flash

Ignition temperature : No data available

Decomposition temperature : No data available

pH : 2,3, 100 %
at 20 °C

Viscosity, dynamic : No data available

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| | |
|--|------------------------------------|
| Viscosity, kinematic | : No data available |
| Water solubility | : soluble |
| Solubility in other solvents | : No data available |
| Partition coefficient: n-octanol/water | : No data available |
| Vapor pressure | : No data available |
| Density | : 1,048 g/cm ³ at 20 °C |
| Relative density | : No data available |
| Relative vapor density | : No data available |
| Particle characteristics | : No data available |

9.2 Other information

none

SECTION 10: Stability and reactivity

10.1 Reactivity

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

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

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

10.4 Conditions to avoid

Conditions to avoid : No data available

10.5 Incompatible materials

Materials to avoid : No data available

10.6 Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11: Toxicological information

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

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

Acute toxicity

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Acute toxicity : Not Rated

Components:

Citric acid

77-92-9:

Acute oral toxicity : LD50 Oral (Mouse): 5.400 mg/kg
Method: OECD Test Guideline 401

LD50 Oral (Rat): > 2.000 mg/kg
Method: OECD Test Guideline 402

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

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

68891-38-3:

Acute oral toxicity : LD50 Oral (Rat): 4.100 mg/kg
Method: OECD Test Guideline 401
GLP: no

LD50 Oral (Rat): 2.870 mg/kg
Method: OECD Test Guideline 401

LD50 (Rat): 7.400 mg/kg
Method: OECD Test Guideline 401

LD50 (Rat): 2.000 - 5.000 mg/kg
Method: OECD Test Guideline 401

LD50 (Rat): > 2.000 mg/kg

Acute dermal toxicity : LD50 (Rat): > 2.000 mg/kg
Method: OECD Test Guideline 402
GLP: yes

I-(+)-lactic acid

79-33-4:

Acute oral toxicity : LD50 (Rat): 3.730 mg/kg

LD50 (Mouse): 4.875 mg/kg

LD50 Oral (Guinea pig): 1.810 mg/kg

Acute inhalation toxicity : LC50 (Rat): 7,94 mg/l
Exposure time: 4 h

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

Skin corrosion/irritation

Product:

Remarks : May cause skin irritation and/or dermatitis.

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Components:

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

68891-38-3:

Species : Rabbit
Assessment : Irritating to skin.
Method : OECD Test Guideline 404

Serious eye damage/eye irritation

Product:

Remarks : May cause irreversible eye damage.
Causes serious eye irritation.

Components:

Citric acid

77-92-9:

Result : Eye irritation

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

68891-38-3:

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

Respiratory or skin sensitization

Product:

Remarks : No data available

Components:

Citric acid

77-92-9:

Result : Does not cause skin sensitization.

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

68891-38-3:

Result : Does not cause skin sensitization.

Germ cell mutagenicity

Germ cell mutagenicity : Not Rated

Components:

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

68891-38-3:

Genotoxicity in vitro : Method: OECD Test Guideline 471
Result: negative

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| | |
|------------------------|--|
| 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. |

Repeated dose toxicity

Components:

Citric acid

77-92-9:

| | |
|-------------------|---------------|
| Species | : Rat |
| NOAEL | : 4.000 mg/kg |
| LOAEL | : 8.000 mg/kg |
| Application Route | : Oral |
| Exposure time | : 10 d |

Aspiration toxicity : Not Rated

11.2 Information on other hazards

Endocrine disrupting properties

Product:

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

Further information

Product:

Remarks : No data available

SECTION 12: Ecological information

12.1 Toxicity

Components:

Citric acid, citric acid

77-92-9:

| | |
|---|---|
| Toxicity to fish | : LC50 (Leuciscus idus (Golden orfe)): 440 mg/l Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 203 |
| Toxicity to daphnia and other aquatic invertebrates | : EC50 (Daphnia magna (Water flea)): 1.535 mg/l Exposure time: 24 h |

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Test Type: static test

EC50 (*Daphnia magna* (Water flea)): ca. 120 mg/l
Exposure time: 72 h

Toxicity to algae/aquatic plants : NOEC (*Scenedesmus quadricauda* (Green algae)): 425 mg/l
Exposure time: 8 Days
Test Type: static test

Toxicity to microorganisms : (*Pseudomonas putida*): > 10.000 mg/l
Exposure time: 16 h

Alcohols, C12-14, ethoxylated, sulfates, sodium salts, Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-omega.-hydroxy-, C12-14-alkyl ethers, sodium salts

68891-38-3:

Toxicity to fish : LC50 (*Danio rerio* (zebra fish)): 7,1 mg/l
Exposure time: 96 h
Test Type: flow-through test
Method: OECD Test Guideline 203
GLP: yes

LC50 (Fish): > 1 - 10 mg/l
Test Type: flow-through test
Method: OECD Test Guideline 203

LC50 (*Leuciscus idus* (Golden orfe)): 10 - 100 mg/l
Method: OECD Test Guideline 203

NOEC (*Oncorhynchus mykiss* (rainbow trout)): 0,14 mg/l
Exposure time: 28 d
Test Type: flow-through test
Method: OECD Test Guideline 204

LC50 (*Brachydanio rerio* (zebrafish)): 1 - 10 mg/l
Test Type: flow-through test
Method: OECD Test Guideline 203

LC50 (*Brachydanio rerio* (zebrafish)): 7,1 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (*Daphnia pulex* (Water flea)): 7,4 mg/l
Exposure time: 48 h
Test Type: Immobilization
Method: OECD Test Guideline 202

EC50 (*Daphnia magna* (Water flea)): > 1 - 10 mg/l
Exposure time: 48 h
Test Type: static test
Method: OECD Test Guideline 202

NOEC (*Daphnia magna* (Water flea)): 0,27 mg/l
Exposure time: 21 d
Test Type: flow-through test
Method: OECD Test Guideline 211

(*Daphnia magna* (Water flea)): 7,2 mg/l
Exposure time: 48 h

LC50 : 1,17 mg/l
Exposure time: 96 h

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- EC50 : 7,2 mg/l
Exposure time: 48 h
- Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): 27,7 mg/l
Exposure time: 72 h
Test Type: Growth inhibition
Method: OECD Test Guideline 201
GLP: yes
- EC50 (Desmodesmus subspicatus (green algae)): > 10 - 100 mg/l
Exposure time: 72 h
Test Type: static test
Method: OECD Test Guideline 201
- NOEC : 0,95 mg/l
Test Type: Growth inhibition
Method: OECD Test Guideline 201
- NOEC (Desmodesmus subspicatus (green algae)): 0,93 mg/l
Exposure time: 72 h
Test Type: static test
Method: OECD Test Guideline 201
- ErC50 (algae): 27 mg/l
Exposure time: 72 h
- NOEC (algae): 0,93 mg/l
Exposure time: 72 h
- Toxicity to microorganisms : EC50 (Pseudomonas putida): > 10 g/l
Exposure time: 16 h
Test Type: Cell multiplication inhibition test
Method: DIN 38412
GLP: yes
- EC10 (Pseudomonas putida): > 10 g/l
Test Type: Cell multiplication inhibition test
- Toxicity to fish (Chronic toxicity) : NOEC: 1 - 10 mg/l
Species: Leuciscus idus (Golden orfe)
- NOEC: 0,14 mg/l
Exposure time: 28 d
Species: Oncorhynchus mykiss (rainbow trout)
Method: OECD Test Guideline 204
- NOEC: 0,2 mg/l
Exposure time: 28 d
Species: Fish
- NOEC: > 0,1 - 1 mg/l
Exposure time: 28 d
Species: Oncorhynchus mykiss (rainbow trout)
Method: OECD Test Guideline 204
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: > 0,1 - 1 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)
Method: OECD Test Guideline 211

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EC50: 0,37 mg/l
Exposure time: 21 d

0,74 mg/l
Exposure time: 21 d

NOEC: 0,27 mg/l
Exposure time: 21 d

Toxicity to soil dwelling organisms : NOEC: 750 mg/kg
Exposure time: 56 d
Species: Eisenia fetida (earthworms)
Method: OECD Test Guideline 222
Remarks: Information taken from reference works and the literature.

I-(+)-lactic acid

79-33-4:

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 130 mg/l
Exposure time: 96 h

LC50 (Fish): 320 mg/l
Exposure time: 48 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 130 mg/l
Exposure time: 48 h

EC50 (Daphnia pulex (Water flea)): 240 mg/l
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC50 (Selenastrum capricornutum): 3.500 mg/l

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

Toxicity to microorganisms : EC50 : > 100 mg/l
Exposure time: 3 h

12.2 Persistence and degradability

Components:

Citric acid, citric acid

77-92-9:

Biodegradability : Result: Readily biodegradable.
Biodegradation: 97 %
Exposure time: 28 d
Method: OECD 301 B

Result: Readily biodegradable.
Biodegradation: 100 %
Exposure time: 19 d
Method: OECD 301 E

Biochemical Oxygen Demand (BOD) : 526 mg/g

Chemical Oxygen Demand (COD) : 728 mg/g

ThOD : 0,75 g/g

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Alcohols, C12-14, ethoxylated, sulfates, sodium salts, Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-omega-hydroxy-, C12-14-alkyl ethers, sodium salts

68891-38-3:

Biodegradability : Test Type: aerobic
Result: rapidly biodegradable
Biodegradation: > 70 %
Exposure time: 28 d
Method: OECD 301 A

Test Type: anaerobic
Result: Biodegradable
Biodegradation: > 60 %
Exposure time: 41 d
Method: OECD 301 D

I-(+)-lactic acid

79-33-4:

Biodegradability : Result: rapidly biodegradable

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

600 mg/g
Incubation time: 20 d

Chemical Oxygen Demand (COD) : 900 mg/g

ThOD : 1.067 mg/g

12.3 Bioaccumulative potential

Components:

Citric acid, citric acid

77-92-9:

Bioaccumulation : Remarks: No bioaccumulation is to be expected (log Pow <= 4).

Alcohols, C12-14, ethoxylated, sulfates, sodium salts, Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-omega-hydroxy-, C12-14-alkyl ethers, sodium salts

68891-38-3:

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

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.

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Components:

Citric acid, citric acid

77-92-9:

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

Alcohols, C12-14, ethoxylated, sulfates, sodium salts, Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-omega-hydroxy-, C12-14-alkyl ethers, sodium salts

68891-38-3:

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

12.6 Endocrine disrupting properties

Product:

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

12.7 Other adverse effects

Product:

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

SECTION 13: Disposal considerations

13.1 Waste treatment methods

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

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

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

SECTION 14: Transport information

14.1 UN number or ID number

ADR

Not dangerous goods

RID

Not dangerous goods

IMDG

Not dangerous goods

IATA

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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 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

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| | |
|--|---|
| TA Luft List (Germany) | : Total dust: Not applicable : Inorganic substances in powdered form: Not applicable : Inorganic substances in vapor or gaseous form: Not applicable : Organic Substances: : portionClass 1: 7,82 % : Carcinogenic substances: Not applicable : mutagenic: Not applicable : Toxic to reproduction: Not applicable |
| Volatile organic compounds (VOC) content | : Directive 2010/75/EU of 24 November 2010 on industrial and livestock rearing emissions (integrated pollution prevention and control) Update: Percent volatile: 0,06 % |
| according to Detergents Regulation EC 648/2004 | : <5% anionic surfactants, perfumes |

15.2 Chemical Safety Assessment

SECTION 16: Other information

Full text of H-Statements

| | |
|------|--|
| 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. |

Full text of other abbreviations

| | |
|-------------|--|
| Eye Dam. | : Serious eye damage |
| Eye Irrit. | : Eye irritation |
| Skin Corr. | : Skin corrosion |
| Skin Irrit. | : Skin irritation |
| STOT SE | : Specific target organ toxicity - single exposure |

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardization; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT -

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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, 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:

Calculation method

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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