

GILBENFERNER Art.-Nr. 975078S

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

1.1. Product identifier

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

Use of the substance/mixture

Washing and cleaning products (including solvent based products)

Uses advised against

No information available.

1.3. Details of the supplier of the safety data sheet

Company name: Seilflechter-Tauwerk GmbH
Street: Auf dem Anger 7-9
Place: D-38110 Braunschweig
Telephone: +49(0)5307-9611-0
e-mail: info@seilflechter.de
Contact person: Abteilung Produktsicherheit Telephone: +49(0)2233 9323 760
Responsible Department: info@drkeddo.de

1.4. Emergency telephone number:

+49 (0) 361-730730 (24 h, GIZ Erfurt)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

2.2. Label elements

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

| CAS No | Chemical name | Quantity | | |
|----------|---|--------------|------------------|--------|
| | EC No | Index No | REACH No | |
| | Classification according to Regulation (EC) No. 1272/2008 [CLP] | | | |
| 77-92-9 | Citric acid | | | <11 % |
| | 201-069-1 | | 01-2119457026-42 | |
| | Eye Irrit. 2; H319 | | | |
| 144-62-7 | oxalic acid | | | 8-12 % |
| | 205-634-3 | 607-006-00-8 | | |
| | Acute Tox. 4, Acute Tox. 4; H312 H302 | | | |
| 57-55-6 | Propane-1,2-diol | | | 4-7 % |
| | 200-338-0 | | 01-2119456809-23 | |
| | Acute Tox. 4, Acute Tox. 4; H302 H312 | | | |

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

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4.1. Description of first aid measures

General information

Change contaminated, saturated clothing. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap.
In case of skin irritation, consult a physician.

After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.
Do NOT induce vomiting.

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

No known symptoms to date.

4.3. Indication of any immediate medical attention and special treatment needed

First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray jet, Carbon dioxide (CO₂), Foam, Dry extinguishing powder, alcohol resistant foam

Unsuitable extinguishing media

High power water jet

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated:
Pyrolysis products, toxic; Nitrogen oxides (NO_x); Carbon dioxide; Carbon monoxide

5.3. Advice for firefighters

Co-ordinate fire-fighting measures to the fire surroundings.
In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

See protective measures under point 7 and 8.
Provide adequate ventilation.
Personal protection equipment: see section 8

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7
Personal protection equipment: see section 8

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Disposal: see section 13

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

- No special technical protective measures are necessary.
- Avoid contact with eyes and skin.
- Wear personal protection equipment (refer to section 8).
- Keep container tightly closed.
- Wash hands before breaks and after work.

Advice on protection against fire and explosion

- Usual measures for fire prevention.

Further information on handling

- No information available.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

- No special technical protective measures are necessary.
- Keep/Store only in original container.

Advice on storage compatibility

- Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions

- No information available.

7.3. Specific end use(s)

- Observe instructions for use.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure limits (EH40)**

| CAS No | Substance | ppm | mg/m ³ | fibres/ml | Category | Origin |
|----------|---|-----|-------------------|-----------|---------------|--------|
| 144-62-7 | Oxalic acid | - | 1 | | TWA (8 h) | WEL |
| | | - | 2 | | STEL (15 min) | WEL |
| 57-55-6 | Propane-1,2-diol, total vapour and particulates | 150 | 474 | | TWA (8 h) | WEL |
| | | - | - | | STEL (15 min) | WEL |

PNEC values

| CAS No | Substance | Value |
|---------|---------------------|------------|
| 77-92-9 | Citric acid | |
| | Freshwater | 0,44 mg/l |
| | Marine water | 0,044 mg/l |
| | Freshwater sediment | 34,6 mg/kg |
| | Marine sediment | 3,46 mg/kg |
| | Soil | 33,1 mg/kg |

8.2. Exposure controls

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Appropriate engineering controls

No special measures are necessary.

Protective and hygiene measures

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Apply skin care products after work. Wash contaminated clothing prior to re-use.

Eye/face protection

goggles

Hand protection

Tested protective gloves must be worn: DIN EN 374

Suitable material:

NBR (Nitrile rubber)

Butyl caoutchouc (butyl rubber)

Skin protection

Protective clothing.

Respiratory protection

Usually no personal respirative protection necessary.

Environmental exposure controls

See section 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: liquid
Colour:
Odour: odourless

pH-Value: 1

Test method

Changes in the physical state

Melting point: not applicable

Initial boiling point and boiling range: >100 °C

Flash point: not applicable

Flammability

Solid: not applicable

Gas: not applicable

Explosive properties

not explosive according to EU A.14

Lower explosion limits: not determined

Upper explosion limits: not determined

Auto-ignition temperature

Solid: not determined

Gas: not applicable

Decomposition temperature: not determined

Oxidizing properties

Not oxidizing.

Vapour pressure: not determined

Density (at 20 °C): ~1,2 g/cm³

Water solubility: completely miscible

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Solubility in other solvents

No information available.

Partition coefficient:

not determined

Vapour density:

not determined

Evaporation rate:

not determined

9.2. Other information

No information available.

SECTION 10: Stability and reactivity**10.1. Reactivity**

No information available.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No information available.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Toxicokinetics, metabolism and distribution**

There are no data available on the mixture itself.

Acute toxicity

Based on available data, the classification criteria are not met.

| CAS No | Chemical name | Exposure route | Dose | Species | Source |
|----------|------------------|----------------|-------------------|---------|----------------------|
| 77-92-9 | Citric acid | oral | LD50 5400 mg/kg | Mouse | OECD Guideline 401 |
| | | dermal | LD50 > 2000 mg/kg | Rat | OECD Guideline 402 |
| 144-62-7 | oxalic acid | oral | ATE 500 mg/kg | | |
| | | dermal | ATE 1100 mg/kg | | |
| 57-55-6 | Propane-1,2-diol | oral | LD50 22000 mg/kg | Rat | Groups of 9 or 10 ra |
| | | dermal | LD50 > 2000 mg/kg | Rabbit | The test substance w |

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

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Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Specific effects in experiment on an animal

No information available.

Practical experience

Observations relevant to classification

No information available.

Other observations

No information available.

Further information

There are no data available on the preparation/mixture itself.

SECTION 12: Ecological information

12.1. Toxicity

| CAS No | Chemical name | | | | |
|---------|--------------------------|------|-----------|---------|--------------------------|
| | Aquatic toxicity | Dose | [h] [d] | Species | Source |
| 77-92-9 | Citric acid | | | | |
| | Acute fish toxicity | LC50 | 440 mg/l | 96 h | Leuciscus idus melanotus |
| | Acute crustacea toxicity | EC50 | 1535 mg/l | 48 h | Daphnia magna |

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water

| CAS No | Chemical name | Log Pow |
|---------|---------------|---------|
| 77-92-9 | Citric acid | -0,12 |

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

No information available.

Further information

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Dispose of waste according to applicable legislation.

Contaminated packaging

Dispose of waste according to applicable legislation.

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SECTION 14: Transport information

Land transport (ADR/RID)

- 14.1. UN number:** No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

- 14.1. UN number:** No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

- 14.1. UN number:** No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

- 14.1. UN number:** No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No dangerous good in sense of this transport regulation.

SECTION 15: Regulatory information

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

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

Citric acid

Propane-1,2-diol

SECTION 16: Other information

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route

(European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernat le transport des marchandises dangereuses par chemin de fer

(Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

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IATA-DGR: Dangerous Goods Refulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

CAS: Chemical Abstracts Service (division of the American Chemical Society)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CLP: Regulation on Classification, Labelling and Packaging of Substances and Mixtures,

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

EC50: Effectice concentration, 50 percent

DNEL: Derived No Effect Level

PNEC: Predicted No Effect Concentration

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Relevant H and EUH statements (number and full text)

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H319 Causes serious eye irritation.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)