



Prodil

Version number: 6
Issued: 2022-03-03
Replaces SDS: 2017-07-18

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

1.1. Product identifier

Trade name

Prodil

UFI code

CKJ4-DQY9-741K-GSVD

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

Relevant identified uses

Stain remover for professional users.

1.3. Details of the supplier of the safety data sheet

Supplier

KLEEN PURGATIS GmbH

Street address

Dieselstraße 10
32120 Hiddenhausen
Germany

Telephone

+49 (0) 5223 9970-40

Email

info@kleen-purgatis.de

Fax

+49 (0) 5223 9970-195

Web site

www.kleenpurgatis.de

Contact person

Regulatory Affairs

Email address

info@kleen-purgatis.de

1.4. Emergency telephone number

+49 (0)551 - 19240 (GIZ-Nord)

Available outside office hours

Yes

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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Classification

Eye irritation, hazard category 2

Hazard statements

H319

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Warning

Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P264 Wash hands thoroughly after handling.

P280 Wear eye protection.

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/attention.

2.3. Other hazards

This mixture does not contain any substances that are classified as PBT or vPvB according to Article 57 / Annex XIII of the REACH regulation.

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SECTION 3: Composition/information on ingredients

3.2. Mixtures

| Chemical name | CAS No. EC No. REACH No. Index No. | Concentration | Classification | H-phrase M factor acute M factor chronic | Note |
|-----------------------------|--|---------------|---|--|---|
| Sodium carbonate | 497-19-8 207-838-8 01-2119485498-19-xxxx 011-005-00-2 | 20 - 40% | Eye Irrit. 2 | H319 - - | - |
| Sodium percarbonate | 15630-89-4 239-707-6 01-2119457268-30-xxxx - | 15 - <25% | Ox. Sol. 3, Acute Tox. 4 - oral, Eye Dam. 1 | H272, H302, H318 - - | Eye Dam.1 >25% Eye Irrit.2 ≥7,5% <25% |
| Silicic acid, sodium salt | 1344-09-8 215-687-4 01-2119448725-31-xxxx - | 1 - 5% | Skin Irrit. 2, Eye Irrit. 2, STOT SE 3 - resp. tract irrit. | H315, H319, H335 - - | - |
| 2-Propylheptanol ethoxylate | 160875-66-1 - - - | 1 - 3% | - | H319 - - | - |

Substance additional information

For the complete text of H- / EUH-statements mentioned in this section, see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Description of first aid measures

First responders: Pay attention to self-protection.

Inhalation

Take the victim into fresh air. May cause respiratory irritation.

Skin contact

Wash off with soap and water.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately.

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Ingestion

Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting. Consult a physician.

Information for doctors

Show this safety data sheet to the doctor in attendance.

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

Immediate effects can be expected after long-term exposure.

Inhalation

May cause throat irritation. Discomfort in the chest

Skin contact

Skin irritation, redness

Eye contact

Causes serious eye irritation. Cloudy / blurred field of vision. Excessive lachrymation

Ingestion

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

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

Treat symptomatically. For specialist advice physicians should contact the Poisons Information Service.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray, extinguishing powder, foam or carbon dioxide. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products formed under fire conditions. Oxidizing

5.3. Advice for firefighters

Special protective equipment for fire-fighters

In the event of fire, wear self contained breathing apparatus.

Measures in case of fire

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protective equipment. Avoid direct contact with the material / product. Avoid dust formation. Remove all sources of ignition.

6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system.

6.3. Methods and material for containment and cleaning up

Use mechanical handling equipment. Rinse with water.

6.4. Reference to other sections

For information on storage and handling see section 7.

For information on exposure and personal protective equipment, see Section 8.

For information on incompatible materials, see Section 10.

For information on disposal see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Preventive handling precautions

Avoid direct contact with the material / product.

Wear personal protective equipment.

General hygiene

When using, do not eat, drink or smoke.

Wash hands before breaks and immediately after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Store in a place accessible by authorized persons only. Keep in a dry, cool place.

Storage class according to TRGS 510: 11 (Combustible Solids)

Storage temperature: 10°C to 40°C

Store in original container.

7.3. Specific end use(s)

See section 1.2: Stain remover

PC35 - Washing and cleaning products (including solvent based products)

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DNEL/DMEL

| Product/Substance name (CAS No./EC No.) | Type | Exposure | Value | Population | Effects |
|--|------|-----------------------------------|-------------------------|------------|----------|
| Sodium carbonate (497-19-8/207-838-8) | DNEL | Chronic (long term) Inhalation | 10 mg/m ³ | Workers | Local |
| Sodium percarbonate (15630-89-4/239-707-6) | DNEL | Chronic (long term) Inhalation | 5 mg/m ³ | Workers | Local |
| Sodium percarbonate (15630-89-4/239-707-6) | DNEL | Chronic (long term) Dermal | 12.8 mg/cm ² | Workers | Local |
| Silicic acid, sodium salt (1344-09-8/215-687-4) | DNEL | Chronic (long term) Inhalation | 5.61 mg/m ³ | Workers | Systemic |
| Silicic acid, sodium salt (1344-09-8/215-687-4) | DNEL | Chronic (long term) Oral | 0.8 mg/kg bw/day | Consumers | Systemic |

PNEC/PEC

| Product/Substance name (CAS No./EC No.) | Type | Environmental compartment | Value |
|--|------|---------------------------|------------|
| Sodium percarbonate (15630-89-4/239-707-6) | PNEC | Freshwater | 0.035 mg/l |
| Sodium percarbonate (15630-89-4/239-707-6) | PNEC | Marine water | 0.035 mg/l |
| Sodium percarbonate (15630-89-4/239-707-6) | PNEC | Sewage Treatment Plant | 16.24 mg/l |
| Silicic acid, sodium salt (1344-09-8/215-687-4) | PNEC | Freshwater | 7.5 mg/l |
| Silicic acid, sodium salt (1344-09-8/215-687-4) | PNEC | Marine water | 1 mg/l |
| Silicic acid, sodium salt (1344-09-8/215-687-4) | PNEC | Sewage Treatment Plant | 348 mg/l |

8.2. Exposure controls

Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas.

Eye / face protection

Chemical-resistant safety glasses with side protection (EN 166)

Hand protection

Wear chemical-resistant disposable protective gloves according to EN 374.

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Other skin protection

This type of personal protective equipment is not necessary under normal and foreseeable use of the product.

Respiratory protection

This type of personal protective equipment is not necessary under normal and foreseeable use of the product.

Thermal hazards

Not applicable

Environmental exposure controls

No special environmental precautions required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Solid

Colour

Colourless with blue speckles

Odour

odourless

Melting point / freezing point

No data available

Boiling point or initial boiling point and boiling range

No data available

Flammability

No data available

Lower and upper explosion limit

The product / mixture has no explosive properties.

Flash point

No data available

Auto-ignition temperature

No data available

Decomposition temperature

No data available

According to Regulation (EC) No 1907/2006

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pH

10.7

Method

1 % aqueous solution

Kinematic viscosity

No data available

Solubility

Water soluble

Water solubility

completely soluble

Partition coefficient n-octanol/water

No data available

Vapour pressure

No data available

Density and/or relative density

1200 kg/m³

Method

Bulk density

Relative vapour density

No data available

Explosive properties

The product / mixture has no explosive properties.

Oxidising properties

Oxidizing

VOC %

0%

Particle characteristics

This product / mixture does not contain any nanomaterials or nanoforms as defined in Regulation (EC) 1907/2006.

9.2. Other information

Conductivity : 10,5 - 13,5 mS/cm (1%)

SECTION 10: Stability and reactivity

10.1. Reactivity

None under normal use.

According to Regulation (EC) No 1907/2006

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10.2. Chemical stability

Stable at normal conditions

10.3. Possibility of hazardous reactions

None under normal use.

10.4. Conditions to avoid

Protect from moisture. Protect from frost, heat and sunlight.

10.5. Incompatible materials

Chlorinated cleaners

10.6. Hazardous decomposition products

For information on combustion products, see Section 5. Hazardous decomposition products formed under fire conditions.

SECTION 11: Toxicological information

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

Toxicology data for the components

Acute toxicity

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

| Product / Substance name CAS / EC no. | Dose descriptor | Value / Dose | Exposure route | Duration of exposure | Test animals |
|---|-----------------|-------------------------|----------------|----------------------|--------------|
| Sodium carbonate 497-19-8 / 207-838-8 | LD50 | 2.800 mg/kg | Oral | - | rat |
| Sodium carbonate 497-19-8 / 207-838-8 | LD50 | >2.000mg/kg | Dermal | - | rabbit |
| Sodium carbonate 497-19-8 / 207-838-8 | LC50 | 2.300 mg/m ³ | Inhalativ | 2h | rat |
| Sodium percarbonate 15630-89-4 / 239- 707-6 | LD50 | 1.034-2.000 mg/kg | Oral | - | rat |
| Sodium percarbonate 15630-89-4 / 239- 707-6 | LD50 | > 2000 mg/kg | Dermal | - | rabbit |

Skin corrosion/irritation

May cause skin irritation and/or dermatitis.

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Serious eye damage/irritation

Causes eye irritation.

Germ cell mutagenicity

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

Genotoxicity

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

Mutagenicity

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

Carcinogenicity

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

Reproductive toxicity

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

STOT-single exposure

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

STOT-repeated exposure

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

Aspiration hazard

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

11.2. Information on other hazards

Endocrine disrupting properties

The mixture / product does not contain any ingredients with endocrine disrupting properties in terms of regulations (EC) 1907/2006 and (EU) 2018/605 and the delegated regulation (EU) 2017/2100.

SECTION 12: Ecological information

12.1. Toxicity

Acute fish toxicity

| Product / Substance name CAS / EC no. | Measurement type | Value / Result | Duration of exposure | Species |
|---|------------------|----------------|----------------------|---------------------|
| Sodium carbonate 497-19-8 / 207-838-8 | LC50 | 300 mg/l | 96h | Lepomis macrochirus |
| Sodium percarbonate 15630-89-4 / 239-707-6 | LC50 | 70,7 mg/l | 96 h | Pimephales promelas |
| 2-Propylheptanol ethoxylate 160875-66-1 / | LC50 | 1-10 mg/l | 96h | Rainbow trout |

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Acute algae toxicity

| Product / Substance name CAS / EC no. | Measurement type | Value / Result | Duration of exposure | Endpoint of the test | Species |
|---|------------------|----------------|----------------------|-------------------------|-------------|
| 2-Propylheptanol ethoxylate 160875-66-1 / | EC50 | >10-100 mg/l | 72h | Scenedesmus subspicatus | - |
| Sodium percarbonate 15630-89-4 / 239-707-6 | EC50 | 2,5 mg/l | - | - | C. vulgaris |

Acute crustacean toxicity

| Product / Substance name CAS / EC no. | Measurement type | Value / Result | Duration of exposure | Species |
|---|------------------|----------------|----------------------|----------------------------|
| Sodium carbonate 497-19-8 / 207-838-8 | EC50 | 200-227 mg/l | 48h | Ceriodaphnia dubia |
| Sodium percarbonate 15630-89-4 / 239-707-6 | EC50 | 4,9 mg/l | 48 h | Daphnia magna (Water flea) |
| 2-Propylheptanol ethoxylate 160875-66-1 / | EC50 | >1-10 mg/l | 48h | Daphnia magna (Water flea) |

12.2. Persistence and degradability

Persistence and degradability

The surfactants contained in this mixture / product meet the requirements for biodegradability in accordance with Regulation (EC) No. 648/2004 on detergents.

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

This mixture does not contain any substances that are classified as PBT or vPvB according to Article 57 / Annex XIII of the REACH regulation.

12.6. Endocrine disrupting properties

The mixture / product does not contain any ingredients with endocrine disrupting properties in terms of regulations (EC) 1907/2006 and (EU) 2018/605 and the delegated regulation (EU) 2017/2100.

According to Regulation (EC) No 1907/2006

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12.7. Other adverse effects

Other adverse effects

This product / mixture does not contain any substances within the meaning of Regulation (EC) No. 1005/2009 that deplete the ozone layer.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal considerations

Dispose of as hazardous waste in compliance with local and national regulations.

Packaging

Do not re-use empty containers. Empty containers should be taken for local recycling, recovery or waste disposal. Contaminated packaging: Dispose of as unused product.

| Waste code | Description |
|------------|--|
| 20 01 29* | detergents containing hazardous substances |

Please note - an asterisk (*) next to a code denotes that it is HAZARDOUS WASTE.

SECTION 14: Transport information

14.1. UN number

Not classified as dangerous in the meaning of transport regulations.

14.2. UN proper shipping name

Not classified as dangerous in the meaning of transport regulations.

14.3. Transport hazard class(es)

Label

Not classified as dangerous in the meaning of transport regulations.

14.4. Packing group

Not applicable

14.5. Environmental hazards

Environmental hazards

-

IMDG Marine Pollutant

No

14.6. Special precautions for user

Handle in accordance with good industrial hygiene and safety practice.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

According to Regulation (EC) No 1907/2006

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Other

Not applicable

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No. 648/2004 (detergents)

Ingredients according to Annex VII: 15-30% oxygen-based bleaching agents, <5% non-ionic surfactants, anionic surfactants, polycarboxylates. Contains: enzymes (Protease, Amylase, Lipase).

Regulation (EC) No. 1272/2008 (CLP)

Regulation (EC) No. 1907/2006 (REACH)

Substances subject to authorization according to Annex XIV: No

Substance restrictions according to Annex XVII: No

Substances on the REACH candidate list (SVHC): No

Regulation (EU) No. 528/2012 (BPR)

Active ingredients: not applicable

Regulation (EU) 2019/1148 (explosives)

Restricted raw material according to Annex I: not applicable

Notifiable raw materials according to Annex II: not applicable

Directive 2011/65 / EU (ROHS 2)

Substance restrictions according to Annex II: not applicable

Regulation (EU) 2019/1021 (POP)

Persistent organic pollutants: not applicable

Directive 2012/18/EU (Seveso III)

Seveso hazard category: not applicable

National regulations

In addition, comply with all national and local regulations for the handling of chemicals.

Other regulations, limitations and legal regulations

Take note of Dir 94/33/EC on the protection of young people at work.

15.2. Chemical safety assessment

The mixture has not been subjected to a safety assessment.

SECTION 16: Other information

Changes to previous revision

Adaptation to the amending regulation (EU) 2020/878

Section 3: Composition/information on ingredients

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Abbreviations

ADN - Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
ADR - Accord relatif au transport international des marchandises Dangereuses par Route
CAS - Chemical Abstract Service
CLP - Classification, Labelling and Packaging
DMEL - Derived Minimum Effect Level
DNEL - Derived no effect level
EC50 - Half maximal effective concentration 50%
GHS - Globally Harmonised System
IATA - International Air Transport Association
IMDG - International Maritime Dangerous Goods
LC50 - Lethal concentration 50%
LD50 - Lethal dosis 50 %
MARPOL - International Convention for the Prevention of Pollution from Ships
PBT - Persistent, bioaccumulative and toxic substance
PEC - Predicted Environmental Concentration
PNEC - predicted no effect concentration
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals
RID - Reglement concernant le transport international ferroviaire de marchandises Dangereuses
SVHC - Substance of very high concern
vPvB - Very persistent, very bioaccumulative substance

References to key literature and data sources

REACH registration dossiers
ECHA C&L - Inventory
Safety data sheets from raw material suppliers

Evaluation methods for classification

Classification for mixtures and used evaluation method according to Article 9 of regulation (EC) 1272/2008 [CLP]:
Health hazards: calculation method
Environmental hazards: calculation method
Physical hazards: Oxidising properties - Evaluation of test data

Phrase meaning

Eye Irrit. 2 - Eye irritation, hazard category 2
Ox. Sol. 3 - Oxidising solids, hazard category 3
Acute Tox. 4 - oral - Acute toxicity, oral, hazard category 4
Eye Dam. 1 - Serious eye damage, hazard category 1
Skin Irrit. 2 - Skin irritation, hazard category 2
STOT SE 3 - resp. tract irrit. - Specific Target Organ Toxicity — Single exposure, hazard category 3 - respiratory tract irritation
H272 May intensify fire; oxidiser.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

According to Regulation (EC) No 1907/2006

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Other

Additional information

This safety data sheet is prepared in accordance with Commission Regulation (EU) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878.

Manufacturer's notes

Legal disclaimer: The above information is believed to be correct. This company shall not be held liable for any damage resulting from handling or from contact with the above product.