

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended
by UK REACH Regulations SI 2019/758



dentavon®ID *No Change Service!*

Version
04.01

Revision Date:
14.03.2025

Date of last issue: 26.02.2025

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

1.1 Product identifier

Trade name : dentavon®ID
Unique Formula Identifier (UFI) : HPF2-5063-700S-JE6Q

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

Use of the Sub-stance/Mixture : Disinfectants

Recommended restrictions on use : Restricted to professional users.

1.3 Details of the supplier of the safety data sheet

Producer : Schülke & Mayr GmbH
Robert-Koch-Str. 2

22851 Norderstedt
Germany
Telephone: +49 (0)40/ 52100-0
Telefax: +49 (0)40/ 52100318
mail@schuelke.com
www.schuelke.com

Supplier : Schülke & Mayr UK Ltd.
Cygnet House
1, Jenkin Road

Sheffield S9 1AT
United Kingdom
Telephone: +44 114 254 35 00
Telefax: +44 114 254 35 01
mail.uk@schulke.com

E-mail address of person responsible for the SDS/Contact person : Application Specialists
+49 (0)40/ 521 00 666
AD@schuelke.com

1.4 Emergency telephone number

Emergency telephone number : Carechem 24 International: +44 1235 239670

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended
by UK REACH Regulations SI 2019/758

schülke 

dentavon®ID **No Change Service!**

Version
04.01

Revision Date:
14.03.2025

Date of last issue: 26.02.2025

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

| | |
|--|--|
| Acute toxicity, Category 4 | H302: Harmful if swallowed. |
| Skin corrosion, Sub-category 1B | H314: Causes severe skin burns and eye damage. |
| Serious eye damage, Category 1 | H318: Causes serious eye damage. |
| Long-term (chronic) aquatic hazard, Category 3 | H412: Harmful to aquatic life with long lasting effects. |

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Hazard pictograms :



Signal word : Danger

| | | |
|---------------------|------|--|
| Hazard statements : | H302 | Harmful if swallowed. |
| | H314 | Causes severe skin burns and eye damage. |
| | H412 | Harmful to aquatic life with long lasting effects. |

Precautionary statements :

Prevention:

| | |
|------|--|
| P261 | Avoid breathing dust. |
| P273 | Avoid release to the environment. |
| P280 | Wear protective gloves/ eye protection/ face protection. |

Response:

| | |
|--------------------|--|
| P310 | Immediately call a POISON CENTER/ doctor. |
| P301 + P330 + P331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. |
| P303 + P361 + P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |

Disposal:

| | |
|------|---|
| P501 | Dispose of contents/ container to an approved waste disposal plant. |
|------|---|

Hazardous components which must be listed on the label:
pentapotassium bis(peroxymonosulphate) bis(sulphate)
sodium (1-hydroxyethylidene)bisphosphonate

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended
by UK REACH Regulations SI 2019/758

schülke 

dentavon®/D **No Change Service!**

Version
04.01

Revision Date:
14.03.2025

Date of last issue: 26.02.2025

sodium dodecyl sulphate
(+)-tartaric acid

Additional Labelling

EUH208 Contains dipotassium peroxodisulphate. May produce an allergic reaction.

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.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Mixture with the following substances and non dangerous additives.

Components

| Chemical name | CAS-No. EC-No. Index-No. Registration number | Classification | Concentration (% w/w) |
|---|---|--|--------------------------|
| pentapotassium bis(peroxymonosulphate) bis(sulphate) | 70693-62-8 274-778-7 01-2119485567-22-XXXX | Acute Tox. 4; H302 Skin Corr. 1B; H314 Eye Dam. 1; H318 Aquatic Chronic 3; H412 | >= 30 - < 50 |
| sodium benzoate | 532-32-1 208-534-8 01-2119460683-35-XXXX | Eye Irrit. 2; H319 | >= 10 - < 20 |
| sodium (1-hydroxyethylidene)bisphosphonate | Not Assigned 701-238-4 01-2119510382-52-XXXX | Acute Tox. 4; H302 | >= 1 - < 10 |
| Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched | 69011-36-5 500-241-6 | Acute Tox. 4; H302 Eye Dam. 1; H318 Aquatic Chronic 3; H412 specific concentration limit Eye Dam. 1; H318 > 10 % Eye Irrit. 2; H319 > 1 - < 10 % | >= 2.5 - < 3 |
| sodium dodecyl sulphate | 151-21-3 205-788-1 | Flam. Sol. 2; H228 Acute Tox. 4; H302 | >= 2.5 - < 3 |

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended
by UK REACH Regulations SI 2019/758

schülke 

dentavon®ID **No Change Service!**

Version
04.01

Revision Date:
14.03.2025

Date of last issue: 26.02.2025

| | | | |
|------------------------------|---|---|--------------|
| | 01-2119489461-32-XXXX | Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H335 (Respiratory system) Aquatic Chronic 3; H412 | |
| (+)-tartaric acid | 87-69-4 201-766-0 01-2119537204-47-XXXX | Eye Dam. 1; H318 | >= 1 - < 3 |
| dipotassium peroxodisulphate | 7727-21-1 231-781-8 016-061-00-1 | Ox. Sol. 3; H272 Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Resp. Sens. 1; H334 Skin Sens. 1; H317 STOT SE 3; H335 (Respiratory system) | >= 0.1 - < 1 |

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice : Take off contaminated clothing and shoes immediately.
- If inhaled : Move the victim to fresh air and keep him calm.
If symptoms persist, call a physician.
- In case of skin contact : Wash off immediately with plenty of water.
If symptoms persist, call a physician.
- In case of eye contact : In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Obtain medical attention.
- If swallowed : Do NOT induce vomiting.
Rinse mouth with water.
Give small amounts of water to drink.
Obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

- Risks : Harmful if swallowed.
Causes serious eye damage.
Causes severe burns.

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended
by UK REACH Regulations SI 2019/758

schülke 

dentavon®ID **No Change Service!**

Version
04.01

Revision Date:
14.03.2025

Date of last issue: 26.02.2025

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 : Dry powder
Foam
Water spray jet
Carbon dioxide (CO₂)

Unsuitable extinguishing media : Do NOT use water jet.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products : No hazardous combustion products are known

5.3 Advice for firefighters

Special protective equipment : In the event of fire, wear self-contained breathing apparatus.
for firefighters

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Avoid dust formation.

6.2 Environmental precautions

Environmental precautions : Do not flush into surface water.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Use mechanical handling equipment.

6.4 Reference to other sections

see Section 8 + 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Avoid breathing dust.
Provide sufficient air exchange and/or exhaust in work rooms.
Wear personal protective equipment.

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

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended
by UK REACH Regulations SI 2019/758

schülke 

dentavon®/D **No Change Service!**

Version
04.01

Revision Date:
14.03.2025

Date of last issue: 26.02.2025

Hygiene measures : Keep away from food and drink.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store at room temperature in the original container. Electrical installations / working materials must comply with the technological safety standards.

Further information on storage conditions : Keep container tightly closed. Store in a dry place. Do not store at temperatures above 30°C. Recommended storage temperature: 15 - 25°C Keep away from direct sunlight. Keep away from heat.

Advice on common storage : No materials to be especially mentioned.

7.3 Specific end use(s)

Specific use(s) : none

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Contains no substances with occupational exposure limit values.

Derived No Effect Level (DNEL)

| Substance name | End Use | Exposure routes | Potential health effects | Value |
|--|---------|-----------------|----------------------------|----------------|
| pentapotassium bis(peroxymonosulphate) bis(sulphate) | Workers | Inhalation | Long-term local effects | 0.112 mg/m3 |
| | Workers | Skin contact | Acute systemic effects | 4 mg/kg bw/day |
| sodium sulphate | Workers | Inhalation | Long-term systemic effects | 20 mg/m3 |
| | Workers | Inhalation | Long-term local effects | 20 mg/m3 |
| sodium benzoate | Workers | Inhalation | Long-term systemic effects | 3 mg/m3 |
| | Workers | Inhalation | Long-term local effects | 0.1 mg/m3 |
| | Workers | Dermal | Long-term systemic effects | 62.5 mg/kg |
| sodium (1-hydroxyethylidene)bisphosphonate | Workers | Skin contact | Long-term systemic effects | 34 mg/kg |
| | Workers | Inhalation | Long-term systemic effects | 12 mg/m3 |
| sodium dodecyl sulphate | Workers | Skin contact | Long-term systemic effects | 4060 mg/kg |
| | Workers | Inhalation | Long-term systemic | 285 mg/m3 |

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended
by UK REACH Regulations SI 2019/758

schülke 

dentavon®/D No Change Service!

Version
04.01

Revision Date:
14.03.2025

Date of last issue: 26.02.2025

| | | | effects | |
|---|---------|--------------|----------------------------|-------------------|
| Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched | Workers | Inhalation | Long-term systemic effects | 294 mg/m3 |
| (+)-tartaric acid | Workers | Skin contact | Long-term systemic effects | 2.9 mg/kg |
| | Workers | Inhalation | Long-term systemic effects | 5.2 mg/m3 |
| dipotassium peroxodisulphate | Workers | Inhalation | Long-term local effects | 0.824 mg/m3 |
| | Workers | Skin contact | Long-term systemic effects | 10.3 mg/kg bw/day |

Predicted No Effect Concentration (PNEC)

| Substance name | Environmental Compartment | Value |
|--|---------------------------|----------------------------------|
| pentapotassium bis(peroxymonosulphate) bis(sulphate) | Fresh water | 0.0222 mg/l |
| | Marine water | 0.00222 mg/l |
| | Fresh water sediment | 0.07992 mg/kg dry weight (d.w.) |
| | Marine sediment | 0.007992 mg/kg dry weight (d.w.) |
| | Soil | 0.002996 mg/kg dry weight (d.w.) |
| sodium sulphate | Sewage treatment plant | 1 mg/l |
| | Fresh water | 11.09 mg/l |
| | Marine water | 1.109 mg/l |
| | Sewage treatment plant | 800 mg/l |
| | Fresh water sediment | 40 mg/kg dry weight (d.w.) |
| | Marine sediment | 4.02 mg/kg dry weight (d.w.) |
| | Soil | 1.54 mg/kg dry weight (d.w.) |
| sodium benzoate | Fresh water | 0.13 mg/l |
| | Intermittent use/release | 0.305 mg/l |
| | Marine water | 0.013 mg/l |
| | Sewage treatment plant | 10 mg/l |
| | Fresh water sediment | 1.76 mg/kg |
| | Marine sediment | 0.176 mg/kg |
| | Soil | 0.276 mg/kg |
| sodium (1-hydroxyethylidene)bisphosphonate | Fresh water | 0.068 mg/l |
| | Marine water | 0.007 mg/l |
| | Fresh water sediment | 136 mg/kg |
| | Marine sediment | 13.6 mg/kg |
| | Soil | 10 mg/kg |
| sodium dodecyl sulphate | Sewage treatment plant | 40 mg/l |
| | Fresh water | 0.137 mg/l |

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended
by UK REACH Regulations SI 2019/758

schülke 

dentavon®/ID No Change Service!

Version
04.01

Revision Date:
14.03.2025

Date of last issue: 26.02.2025

| | | |
|---|--------------------------|-------------------------------|
| | Marine water | 0.0137 mg/l |
| | Fresh water sediment | 4.82 mg/kg |
| | Marine sediment | 0.482 mg/kg |
| | Soil | 0.882 mg/kg |
| | Intermittent use/release | 0.055 mg/l |
| | Sewage treatment plant | 135 mg/l |
| Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched | Fresh water | 0.074 mg/l |
| | Marine water | 0.0074 mg/l |
| | Intermittent use/release | 0.015 mg/l |
| | Sewage treatment plant | 1.4 mg/l |
| | Soil | 0.1 mg/kg |
| | Fresh water sediment | 0.604 mg/kg |
| | Marine sediment | 0.0604 mg/kg |
| (+)-tartaric acid | Fresh water | 0.3125 mg/l |
| | Marine water | 0.3125 mg/l |
| | Fresh water sediment | 1.141 mg/kg |
| | Marine sediment | 1.141 mg/kg |
| | Sewage treatment plant | 10 mg/l |
| dipotassium peroxodisulphate | Fresh water | 0.518 mg/l |
| | Marine water | 0.052 mg/l |
| | Fresh water sediment | 2.03 mg/kg dry weight (d.w.) |
| | Marine sediment | 0.203 mg/kg dry weight (d.w.) |
| | Soil | 0.1 mg/kg dry weight (d.w.) |
| | Sewage treatment plant | 3.6 mg/l |
| | Intermittent use/release | 0.736 mg/l |

8.2 Exposure controls

Personal protective equipment

| | |
|--------------------------|--|
| Eye/face protection | : Safety glasses with side-shields conforming to EN166 |
| Hand protection | |
| Directive | : The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it. |
| Remarks | : Prolonged contact: Nitrile rubber gloves e.g. Camatril (>480 Min., layer thickness: 0,40 mm) or butyl rubber gloves e.g. Butoject (>480 Min., layer thickness: 0,70 mm) made by KCL or gloves from other manufacturers offering the same protection. |
| Skin and body protection | : Work uniform or laboratory coat. |
| Respiratory protection | : Breathing apparatus only if aerosol or dust is formed. Half mask with a particle filter P2 (EN 143) |
| Protective measures | : Avoid contact with skin and eyes. |

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended
by UK REACH Regulations SI 2019/758

schülke 

dentavon®/ID **No Change Service!**

Version
04.01

Revision Date:
14.03.2025

Date of last issue: 26.02.2025

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|--|--|
| Appearance | : solid, powder |
| Colour | : white |
| Odour | : characteristic |
| Odour Threshold | : not determined |
| pH | : ca. 3.0 (20 °C) Concentration: 20 g/l in water |
| Melting point/freezing point | : No data available |
| Decomposition temperature | : No data available |
| Boiling point/boiling range | : Not applicable |
| Flash point | : Not applicable |
| Evaporation rate | : Not applicable |
| Flammability (solid, gas) | : does not ignite Method: Flammability (solids) GLP: yes |
| Upper explosion limit / Upper flammability limit | : No data available |
| Lower explosion limit / Lower flammability limit | : No data available |
| Vapour pressure | : No data available |
| Relative density | : Not applicable |
| Bulk density | : 1,030 kg/m ³ |
| Solubility(ies) | |
| Water solubility | : 200 g/l (20 °C) |
| Partition coefficient: n-octanol/water | : Not applicable |
| Auto-ignition temperature | : No data available |
| Viscosity | |
| Viscosity, kinematic | : Not applicable |
| Explosive properties | : Not explosive Method: Regulation (EC) No. 440/2008, Annex, A.14 GLP: yes |
| Oxidizing properties | : Oxidizing properties (solids) |

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended
by UK REACH Regulations SI 2019/758

schülke 

dentavon®/D

No Change Service!

Version
04.01

Revision Date:
14.03.2025

Date of last issue: 26.02.2025

The substance or mixture is not classified as oxidizing.

9.2 Other information

Metal corrosion rate : Not applicable

Particle size : 0.213 mm
Method: ISO 13320

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

The product is chemically stable.

10.3 Possibility of hazardous reactions

Hazardous reactions : Slightly exothermic autodecomposition (> 130°C) if strongly heated

10.4 Conditions to avoid

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

10.5 Incompatible materials

Materials to avoid : Do not mix with other products.

10.6 Hazardous decomposition products

Oxygen

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Harmful if swallowed.

Product:

Acute oral toxicity : Acute toxicity estimate: 857.49 mg/kg
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate: > 5 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: Calculation method

Components:

pentapotassium bis(peroxymonosulphate) bis(sulphate):

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended
by UK REACH Regulations SI 2019/758

schülke 

dentavon®ID **No Change Service!**

Version
04.01

Revision Date:
14.03.2025

Date of last issue: 26.02.2025

| | |
|---------------------------|--|
| Acute oral toxicity | : LD50 (Rat): 500 mg/kg Method: OECD Test Guideline 423 |
| Acute inhalation toxicity | : LC0 (Rat): > 5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 Assessment: The substance or mixture has no acute inhalation toxicity Remarks: Expert judgement |
| Acute dermal toxicity | : LD50 (Rat): > 5,000 mg/kg Method: OECD Test Guideline 402 |

sodium benzoate:

| | |
|---------------------------|--|
| Acute oral toxicity | : LD50 (Rat, male and female): 2,100 mg/kg |
| Acute inhalation toxicity | : LC50 (Rat): > 12.2 mg/l Exposure time: 4 h Test atmosphere: dust/mist Remarks: Based on data from similar materials |
| Acute dermal toxicity | : LD50 (Rabbit): > 2,000 mg/kg |

sodium (1-hydroxyethylidene)bisphosphonate:

| | |
|---------------------------|---|
| Acute oral toxicity | : LD50 (Rat): 940 mg/kg |
| Acute inhalation toxicity | : Remarks: No data available |
| Acute dermal toxicity | : LD50 (Rabbit): > 5,000 mg/kg Method: OECD Test Guideline 402 |

Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-omega.-hydroxy-, branched:

| | |
|---------------------------|---|
| Acute oral toxicity | : LD50 (Rat): > 300 - 2,000 mg/kg |
| Acute inhalation toxicity | : Remarks: No data available |
| Acute dermal toxicity | : LD50: > 5,000 mg/kg Method: literature value |

sodium dodecyl sulphate:

| | |
|---------------------------|--|
| Acute oral toxicity | : LD50 (Rat): > 500 - < 2,000 mg/kg Method: OECD Test Guideline 401 |
| Acute inhalation toxicity | : Method: Expert judgement and weight of evidence determination. Assessment: The component/mixture is moderately toxic after short term inhalation. |
| Acute dermal toxicity | : LD50: > 2,000 mg/kg Method: Expert judgement and weight of evidence determination. |

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended
by UK REACH Regulations SI 2019/758

schülke 

dentavon®ID **No Change Service!**

Version
04.01

Revision Date:
14.03.2025

Date of last issue: 26.02.2025

tion.

(+)-tartaric acid:

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg
Method: OECD Test Guideline 423

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg
Method: OECD Test Guideline 402

dipotassium peroxodisulphate:

Acute oral toxicity : LD50 (Rat, male): 742 mg/kg
Method: OECD Test Guideline 401
Assessment: The component/mixture is moderately toxic after single ingestion.

Acute inhalation toxicity : LC50 (Rat): > 5.1 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403
Assessment: The substance or mixture has no acute inhalation toxicity
Remarks: Expert judgement

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg
Assessment: The substance or mixture has no acute dermal toxicity
Remarks: Expert judgement

Skin corrosion/irritation

Causes severe burns.

Components:

pentapotassium bis(peroxymonosulphate) bis(sulphate):

Species : Rabbit
Method : OECD Test Guideline 404
Result : Corrosive after 3 minutes to 1 hour of exposure
Remarks : Extremely corrosive and destructive to tissue.

sodium benzoate:

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

sodium (1-hydroxyethylidene)bisphosphonate:

Species : Rabbit
Method : OECD Test Guideline 404
Remarks : Based on available data, the classification criteria are not met.

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended
by UK REACH Regulations SI 2019/758

schülke 

dentavon®/D *No Change Service!*

Version
04.01

Revision Date:
14.03.2025

Date of last issue: 26.02.2025

Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-omega.-hydroxy-, branched:

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

sodium dodecyl sulphate:

| | |
|--------|---------------------------|
| Method | : OECD Test Guideline 404 |
| Result | : Skin irritation |

(+)-tartaric acid:

| | |
|---------|---|
| Remarks | : May cause skin irritation in susceptible persons. |
|---------|---|

dipotassium peroxodisulphate:

| | |
|---------|---------------------------|
| Species | : Rabbit |
| Method | : OECD Test Guideline 404 |
| Result | : Skin irritation |

Serious eye damage/eye irritation

Causes serious eye damage.

Components:

pentapotassium bis(peroxymonosulphate) bis(sulphate):

| | |
|---------|-----------------------------------|
| Species | : Rabbit |
| Method | : OECD Test Guideline 405 |
| Result | : Irreversible effects on the eye |

sodium benzoate:

| | |
|---------|--|
| Species | : Rabbit |
| Method | : OECD Test Guideline 405 |
| Result | : Irritation to eyes, reversing within 21 days |

sodium (1-hydroxyethylidene)bisphosphonate:

| | |
|---------|---|
| Species | : Rabbit |
| Method | : OECD Test Guideline 405 |
| Remarks | : Based on available data, the classification criteria are not met. |

Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-omega.-hydroxy-, branched:

| | |
|---------|-----------------------------------|
| Species | : Rabbit |
| Method | : Draize Test |
| Result | : Irreversible effects on the eye |

sodium dodecyl sulphate:

| | |
|---------|-----------------------------------|
| Species | : Rabbit |
| Method | : OECD Test Guideline 405 |
| Result | : Irreversible effects on the eye |

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended
by UK REACH Regulations SI 2019/758

schülke 

dentavon®ID *No Change Service!*

Version
04.01

Revision Date:
14.03.2025

Date of last issue: 26.02.2025

(+)-tartaric acid:

| | |
|--------|-----------------------------------|
| Method | : OECD Test Guideline 437 |
| Result | : Irreversible effects on the eye |

dipotassium peroxodisulphate:

| | |
|---------|---------------------------|
| Species | : Rabbit |
| Method | : OECD Test Guideline 405 |
| Result | : Eye irritation |

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Components:

pentapotassium bis(peroxymonosulphate) bis(sulphate):

| | |
|-----------|---|
| Test Type | : Maximisation Test |
| Species | : Guinea pig |
| Method | : OECD Test Guideline 406 |
| Result | : Did not cause sensitisation on laboratory animals. |
| Remarks | : Based on available data, the classification criteria are not met. |

sodium benzoate:

| | |
|-----------|--|
| Test Type | : Local lymph node assay (LLNA) |
| Species | : Mouse |
| Method | : OECD Test Guideline 429 |
| Result | : Not a skin sensitizer. |
| Remarks | : Based on data from similar materials |

sodium (1-hydroxyethylidene)bisphosphonate:

| | |
|---------|---|
| Species | : Guinea pig |
| Method | : OECD Test Guideline 406 |
| Remarks | : Based on available data, the classification criteria are not met. |

Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched:

| | |
|-----------|--|
| Test Type | : Maximisation Test |
| Species | : Guinea pig |
| Result | : Did not cause sensitisation on laboratory animals. |

sodium dodecyl sulphate:

| | |
|---------|--|
| Species | : Guinea pig |
| Remarks | : Did not cause sensitisation on laboratory animals. |

(+)-tartaric acid:

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended
by UK REACH Regulations SI 2019/758

schülke 

dentavon®/D *No Change Service!*

Version
04.01

Revision Date:
14.03.2025

Date of last issue: 26.02.2025

||Remarks : No data available

dipotassium peroxodisulphate:

||Exposure routes : Skin contact
||Species : Guinea pig
||Method : OECD Test Guideline 406
||Result : May cause sensitisation by skin contact.

||Exposure routes : inhalation (dust/mist/fume)
||Result : Respiratory sensitization

Germ cell mutagenicity

Not classified based on available information.

Components:

pentapotassium bis(peroxymonosulphate) bis(sulphate):

||Genotoxicity in vitro : Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: Not mutagenic in Ames Test

||Genotoxicity in vivo : Test Type: In vivo micronucleus test
Species: Mouse (male and female)
Application Route: Ingestion
Method: OECD Test Guideline 474
Remarks: negative

sodium benzoate:

||Genotoxicity in vitro : Test Type: reverse mutation assay
Test system: Salmonella typhimurium
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative

||Genotoxicity in vivo : Species: Rat (male)
Cell type: Bone marrow
Application Route: Oral
Method: OECD Test Guideline 475
Remarks: negative

sodium (1-hydroxyethylidene)bisphosphonate:

||Germ cell mutagenicity- Assessment : Based on available data, the classification criteria are not met.

Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched:

||Genotoxicity in vitro : Test Type: Microbial mutagenesis assay (Ames test)
Test system: Salmonella typhimurium
Metabolic activation: with and without metabolic activation
Result: negative

sodium dodecyl sulphate:

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended
by UK REACH Regulations SI 2019/758

schülke 

dentavon®ID **No Change Service!**

Version
04.01

Revision Date:
14.03.2025

Date of last issue: 26.02.2025

Genotoxicity in vitro : Test Type: Microbial mutagenesis assay (Ames test)
Method: OECD Test Guideline 471
Result: Non mutagenic

Genotoxicity in vivo : Test Type: Micronucleus test
Species: Mouse
Method: OECD Test Guideline 474
Remarks: negative

(+)-tartaric acid:

Genotoxicity in vitro : Test Type: Microbial mutagenesis assay (Ames test)
Result: negative

dipotassium peroxodisulphate:

Genotoxicity in vitro : Test Type: Microbial mutagenesis assay (Ames test)
Result: negative
Remarks: Based on data from similar materials

Genotoxicity in vivo : Test Type: Micronucleus test
Species: Mouse
Application Route: Intraperitoneal injection
Result: Based on data from similar materials
Remarks: negative

Carcinogenicity

Not classified based on available information.

Components:

pentapotassium bis(peroxymonosulphate) bis(sulphate):

Carcinogenicity - Assessment : Based on available data, the classification criteria are not met.

sodium benzoate:

Species : Rat, male and female
Application Route : Oral
NOAEL : > 1,000
Result : negative

sodium (1-hydroxyethylidene)bisphosphonate:

Carcinogenicity - Assessment : Based on available data, the classification criteria are not met.

Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched:

Remarks : This information is not available.

sodium dodecyl sulphate:

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

(+)-tartaric acid:

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended
by UK REACH Regulations SI 2019/758

schülke 

dentavon®/D *No Change Service!*

Version
04.01

Revision Date:
14.03.2025

Date of last issue: 26.02.2025

Remarks : This information is not available.

dipotassium peroxodisulphate:

Species : Mouse
Application Route : Dermal exposure
Exposure time : 52 weeks
Method : OECD Test Guideline 451
Result : negative
Remarks : Based on data from similar materials

Reproductive toxicity

Not classified based on available information.

Components:

pentapotassium bis(peroxymonosulphate) bis(sulphate):

Effects on foetal development : Test Type: Embryo-foetal development
Species: Rat
General Toxicity Maternal: NOAEL: 250 mg/kg body weight
Teratogenicity: NOAEL: ≥ 750 mg/kg body weight
Method: OECD Test Guideline 414

Test Type: Embryo-foetal development
Species: Rat
General Toxicity Maternal: LOAEL: 750 mg/kg body weight
Teratogenicity: LOAEL: > 750 mg/kg body weight
Method: OECD Test Guideline 414

Reproductive toxicity - Assessment : Based on available data, the classification criteria are not met.

sodium benzoate:

Effects on fertility : General Toxicity - Parent: NOAEL: 500 mg/kg bw/day
Remarks: Not classified due to data which are conclusive
although insufficient for classification.

Effects on foetal development : General Toxicity Maternal: NOAEL: > 175 mg/kg bw/day
Teratogenicity: NOAEL: > 175 mg/kg bw/day
Developmental Toxicity: NOAEL: > 175 mg/kg bw/day
Method: OECD Test Guideline 414
Result: No effects on fertility and early embryonic development were detected.

sodium (1-hydroxyethylidene)bisphosphonate:

Reproductive toxicity - Assessment : Based on available data, the classification criteria are not met.

Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-omega-hydroxy-, branched:

Effects on fertility : Remarks: Animal testing did not show any effects on fertility.

Effects on foetal development : Remarks: No effects on fertility and early embryonic development were detected.

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended
by UK REACH Regulations SI 2019/758

schülke 

dentavon®/D **No Change Service!**

Version
04.01

Revision Date:
14.03.2025

Date of last issue: 26.02.2025

||

sodium dodecyl sulphate:

|| Reproductive toxicity - Assessment : No toxicity to reproduction

(+)-tartaric acid:

|| Effects on foetal development : Remarks: No data available

|| Reproductive toxicity - Assessment : No data available

dipotassium peroxodisulphate:

|| Effects on fertility : Species: Rat
Application Route: Ingestion
Method: OECD Test Guideline 421
Result: negative
Remarks: Based on data from similar materials

|| Effects on foetal development : Species: Rat
Application Route: Ingestion
Method: OECD Test Guideline 421
Result: negative
Remarks: Based on data from similar materials

STOT - single exposure

Not classified based on available information.

Components:

pentapotassium bis(peroxymonosulphate) bis(sulphate):

|| Remarks : No data available

sodium benzoate:

|| Remarks : No data available

sodium (1-hydroxyethylidene)bisphosphonate:

|| Remarks : No data available

Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched:

|| Remarks : No data available

sodium dodecyl sulphate:

|| Assessment : May cause respiratory irritation.
|| Remarks : Expert judgement and weight of evidence determination.

(+)-tartaric acid:

|| Remarks : No data available

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended
by UK REACH Regulations SI 2019/758

schülke 

dentavon®/D *No Change Service!*

Version
04.01

Revision Date:
14.03.2025

Date of last issue: 26.02.2025

dipotassium peroxodisulphate:

|| Assessment : May cause respiratory irritation.

STOT - repeated exposure

Not classified based on available information.

Components:

pentapotassium bis(peroxymonosulphate) bis(sulphate):

|| Remarks : No data available

sodium benzoate:

|| Remarks : No data available

sodium (1-hydroxyethylidene)bisphosphonate:

|| Remarks : No data available

Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-omega.-hydroxy-, branched:

|| Remarks : No data available

sodium dodecyl sulphate:

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

(+)-tartaric acid:

|| Remarks : No data available

Repeated dose toxicity

Components:

pentapotassium bis(peroxymonosulphate) bis(sulphate):

|| Species : Rat
|| LOAEL : 600 mg/kg
|| Application Route : Oral
|| Exposure time : 90-day
|| Method : OECD Test Guideline 408

sodium benzoate:

|| Species : Rat, male and female
|| NOAEL : 1,000 mg/kg
|| Application Route : Oral

sodium (1-hydroxyethylidene)bisphosphonate:

|| Species : Rat
|| NOAEL : 24 mg/kg
|| Application Route : Oral

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended
by UK REACH Regulations SI 2019/758

schülke 

dentavon®/D **No Change Service!**

Version
04.01

Revision Date:
14.03.2025

Date of last issue: 26.02.2025

Exposure time : 2 yr

Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched:

Species : Rat
NOAEL : 50 mg/kg
Application Route : Oral
Exposure time : 2 yr
Target Organs : Heart, Liver, Kidney

dipotassium peroxodisulphate:

Species : Rat
NOAEL : 1,000 mg/kg
LOAEL : 3,000 mg/kg
Application Route : Ingestion
Exposure time : 90-day
Method : OECD Test Guideline 408

Aspiration toxicity

Not classified based on available information.

Further information

Product:

Remarks : No data available

SECTION 12: Ecological information

12.1 Toxicity

Components:

pentapotassium bis(peroxymonosulphate) bis(sulphate):

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 53 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 3.5 mg/l
aquatic invertebrates : Exposure time: 48 h
Method: OECD Test Guideline 202

Toxicity to algae/aquatic : ErC50 (Pseudokirchneriella subcapitata (microalgae)): > 1
plants : mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

NOEC (Pseudokirchneriella subcapitata (green algae)): 0.5
mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended
by UK REACH Regulations SI 2019/758

schülke 

dentavon®/D **No Change Service!**

Version
04.01

Revision Date:
14.03.2025

Date of last issue: 26.02.2025

Ecotoxicology Assessment

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

sodium benzoate:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): > 100 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

Toxicity to fish (Chronic toxicity) : NOEC: 10 mg/l
Exposure time: 144 d
Species: Danio rerio (zebra fish)

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 51 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)
Method: OECD Test Guideline 211

sodium (1-hydroxyethylidene)bisphosphonate:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 195 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 527 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : Remarks: No data available

Toxicity to fish (Chronic toxicity) : LC50: 60 mg/l
Exposure time: 14 d
Species: Oncorhynchus mykiss (rainbow trout)
Method: OECD Test Guideline 204

Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): 2.5 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1.5 mg/l
Exposure time: 48 h

Toxicity to algae/aquatic plants : ErC50 (Desmodesmus subspicatus (green algae)): 2.5 mg/l
Exposure time: 72 h

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended
by UK REACH Regulations SI 2019/758

schülke 

dentavon®/D

No Change Service!

Version
04.01

Revision Date:
14.03.2025

Date of last issue: 26.02.2025

EC10 (Desmodesmus subspicatus (green algae)): 0.6 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

Toxicity to fish (Chronic toxicity) : NOEC: 1.73 mg/l
Method: QSAR

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 1.36 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)
Method: QSAR

sodium dodecyl sulphate:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 29 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Ceriodaphnia dubia (water flea)): 5.55 mg/l
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l
Exposure time: 72 h

NOEC (Desmodesmus subspicatus (green algae)): 30 mg/l
Exposure time: 72 h

Toxicity to fish (Chronic toxicity) : NOEC: > 1 - 10 mg/l
Species: Pimephales promelas (fathead minnow)

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0.88 mg/l
Exposure time: 7 d
Species: Ceriodaphnia dubia (water flea)

(+)-tartaric acid:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 100 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): 93.3 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

NOEC (Pseudokirchneriella subcapitata (green algae)): 3.125 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

dipotassium peroxodisulphate:

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended
by UK REACH Regulations SI 2019/758

schülke 

dentavon®/D **No Change Service!**

Version
04.01

Revision Date:
14.03.2025

Date of last issue: 26.02.2025

| | |
|---|---|
| Toxicity to fish | : LC50 (Fish): 107.6 mg/l Exposure time: 96 h Method: OECD Test Guideline 203 Remarks: Based on data from similar materials |
| Toxicity to daphnia and other aquatic invertebrates | : EC50 (Daphnia magna (Water flea)): 120 mg/l Exposure time: 48 h Remarks: Based on data from similar materials |
| Toxicity to algae/aquatic plants | : (algae): 320 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: Based on data from similar materials (algae): 32 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: Based on data from similar materials |
| Toxicity to microorganisms | : (Pseudomonas putida): 36 mg/l Exposure time: 18 h Remarks: Based on data from similar materials |

12.2 Persistence and degradability

Product:

Biodegradability : Remarks: No data available

Components:

pentapotassium bis(peroxymonosulphate) bis(sulphate):

Biodegradability : Remarks: The methods for determining biodegradability are not applicable to inorganic substances.

sodium benzoate:

Biodegradability : Test Type: aerobic
Concentration: 50 mg/l
Result: Readily biodegradable.
Biodegradation: 94 %
Exposure time: 28 d
Method: OECD Test Guideline 301B

sodium (1-hydroxyethylidene)bisphosphonate:

Biodegradability : Result: Not readily biodegradable.

Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-omega.-hydroxy-, branched:

Biodegradability : Test Type: aerobic
Inoculum: activated sludge
Result: Readily biodegradable.
Biodegradation: > 60 %

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended
by UK REACH Regulations SI 2019/758

schülke 

dentavon®ID **No Change Service!**

Version
04.01

Revision Date:
14.03.2025

Date of last issue: 26.02.2025



Exposure time: 28 d
Method: OECD Test Guideline 301B

sodium dodecyl sulphate:



Biodegradability : Result: Readily biodegradable.

(+)-tartaric acid:



Biodegradability : Result: Readily biodegradable.
Biodegradation: 85 %
Exposure time: 28 d
Method: OECD Test Guideline 306

dipotassium peroxodisulphate:



Biodegradability : Remarks: The methods for determining biodegradability are not applicable to inorganic substances.

12.3 Bioaccumulative potential

Components:

pentapotassium bis(peroxymonosulphate) bis(sulphate):



Bioaccumulation : Remarks: No data available

sodium benzoate:



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

Partition coefficient: n-octanol/water : log Pow: 1.88

sodium (1-hydroxyethylidene)bisphosphonate:



Partition coefficient: n-octanol/water : log Pow: < -3.5 (20 °C)

Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-omega.-hydroxy-, branched:



Bioaccumulation : Remarks: None reasonably foreseeable.

Partition coefficient: n-octanol/water : Remarks: Not applicable

sodium dodecyl sulphate:



Bioaccumulation : Remarks: Bioaccumulation is unlikely.

(+)-tartaric acid:



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

Partition coefficient: n-octanol/water : log Pow: -1.91 (20 °C)

dipotassium peroxodisulphate:

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended
by UK REACH Regulations SI 2019/758

schülke 

dentavon®/ID **No Change Service!**

Version
04.01

Revision Date:
14.03.2025

Date of last issue: 26.02.2025

| | | |
|--|---|----------------------------|
| Bioaccumulation | : | Remarks: Not applicable |
| Partition coefficient: n-octanol/water | : | Remarks: No data available |

12.4 Mobility in soil

Components:

pentapotassium bis(peroxymonosulphate) bis(sulphate):

| | | |
|----------|---|----------------------------|
| Mobility | : | Remarks: No data available |
|----------|---|----------------------------|

sodium benzoate:

| | | |
|----------|---|----------------------------|
| Mobility | : | Remarks: No data available |
|----------|---|----------------------------|

sodium (1-hydroxyethylidene)bisphosphonate:

| | | |
|----------|---|----------------------------|
| Mobility | : | Remarks: No data available |
|----------|---|----------------------------|

Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-omega.-hydroxy-, branched:

| | | |
|----------|---|----------------------------|
| Mobility | : | Remarks: No data available |
|----------|---|----------------------------|

sodium dodecyl sulphate:

| | | |
|----------|---|----------------------------|
| Mobility | : | Remarks: No data available |
|----------|---|----------------------------|

(+)-tartaric acid:

| | | |
|----------|---|----------------------------|
| Mobility | : | Remarks: No data available |
|----------|---|----------------------------|

dipotassium peroxodisulphate:

| | | |
|----------|---|----------------------------|
| Mobility | : | Remarks: 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. |
|------------|---|--|

12.6 Other adverse effects

Product:

| | | |
|-----------------------------------|---|--|
| Endocrine disrupting potential | : | This substance/mixture does not contain components considered to have endocrine disrupting properties for environment according to UK REACH Article 57(f). |
| Additional ecological information | : | No data is available on the product itself. |

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended
by UK REACH Regulations SI 2019/758

schülke 

dentavon®ID *No Change Service!*

Version
04.01

Revision Date:
14.03.2025

Date of last issue: 26.02.2025

Components:

pentapotassium bis(peroxymonosulphate) bis(sulphate):

Additional ecological information : No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Can be incinerated or landfilled together with household waste in compliance with the regulations, and after consultation with the waste disposal services.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: Transport information

14.1 UN number

ADR : UN 3260

IMDG : UN 3260

IATA : UN 3260

14.2 UN proper shipping name

ADR : CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.
(pentapotassium bis(peroxymonosulphate) bis(sulphate))

IMDG : CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.
(pentapotassium bis(peroxymonosulphate) bis(sulphate))

IATA : Corrosive solid, acidic, inorganic, n.o.s.
(pentapotassium bis(peroxymonosulphate) bis(sulphate))

14.3 Transport hazard class(es)

| | Class | Subsidiary risks |
|------|-------|------------------|
| ADR | : 8 | |
| IMDG | : 8 | |
| IATA | : 8 | |

14.4 Packing group

ADR

Packing group : II

Classification Code : C2

Hazard Identification Number : 80

Labels : 8

Tunnel restriction code : (E)

IMDG

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended
by UK REACH Regulations SI 2019/758

schülke 

dentavon®ID **No Change Service!**

Version
04.01

Revision Date:
14.03.2025

Date of last issue: 26.02.2025

Packing group : II
Labels : 8
EmS Code : F-A, S-B

IATA (Cargo)

Packing instruction (cargo aircraft) : 863
Packing instruction (LQ) : Y844
Packing group : II
Labels : Corrosive

IATA (Passenger)

Packing instruction (passenger aircraft) : 859
Packing instruction (LQ) : Y844
Packing group : II
Labels : Corrosive

14.5 Environmental hazards

ADR

Environmentally hazardous : no

IMDG

Marine pollutant : 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.

14.7 Transport in bulk according to Annex II of Marpol 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

Relevant EU provisions transposed through retained EU law

UK REACH List of restrictions (Annex 17) : Not applicable

UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation : Not applicable

The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain)

Regulation (EC) on substances that deplete the ozone layer : Not applicable

UK REACH List of substances subject to authorisation (Annex XIV) : Not applicable

Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)
Not applicable

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended
by UK REACH Regulations SI 2019/758

schülke 

dentavon®ID **No Change Service!**

Version
04.01

Revision Date:
14.03.2025

Date of last issue: 26.02.2025

according to Detergents Regulation EC 648/2004 : < 5%: Phosphonates, Anionic surfactants, Non-ionic surfactants

Other regulations:

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to protection of young people at work contained in Regulation 19) and of Directive 94/33/EC on the protection of young people at work.

The components of this product are reported in the following inventories:

| | |
|-------|---|
| TCSI | : Not in compliance with the inventory |
| TSCA | : Product contains substance(s) not listed on TSCA inventory. |
| AIIC | : Not in compliance with the inventory |
| DSL | : This product contains the following components that are not on the Canadian DSL nor NDSL. sodium (1-hydroxyethylidene)bisphosphonate |
| ENCS | : Not in compliance with the inventory |
| ISHL | : Not in compliance with the inventory |
| KECI | : Not in compliance with the inventory |
| PICCS | : Not in compliance with the inventory |
| IECSC | : Not in compliance with the inventory |
| NZIoC | : Not in compliance with the inventory |
| TECI | : Not in compliance with the inventory |

15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture.

SECTION 16: Other information

Full text of H-Statements

| | |
|------|--|
| H228 | : Flammable solid. |
| H272 | : May intensify fire; oxidizer. |
| H302 | : Harmful if swallowed. |
| H314 | : Causes severe skin burns and eye damage. |
| H315 | : Causes skin irritation. |
| H317 | : May cause an allergic skin reaction. |
| H318 | : Causes serious eye damage. |
| H319 | : Causes serious eye irritation. |
| H332 | : Harmful if inhaled. |
| H334 | : May cause allergy or asthma symptoms or breathing difficulties if inhaled. |

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended
by UK REACH Regulations SI 2019/758

schülke 

dentavon®ID **No Change Service!**

Version
04.01

Revision Date:
14.03.2025

Date of last issue: 26.02.2025

H335 : May cause respiratory irritation.
H412 : Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox. : Acute toxicity
Aquatic Chronic : Long-term (chronic) aquatic hazard
Eye Dam. : Serious eye damage
Eye Irrit. : Eye irritation
Flam. Sol. : Flammable solids
Ox. Sol. : Oxidizing solids
Resp. Sens. : Respiratory sensitisation
Skin Corr. : Skin corrosion
Skin Irrit. : Skin irritation
Skin Sens. : Skin sensitisation
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 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 - 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; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Further information

Classification of the mixture:

Acute Tox. 4

H302

Classification procedure:

Calculation method

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended
by UK REACH Regulations SI 2019/758



dentavon®ID

No Change Service!

Version
04.01

Revision Date:
14.03.2025

Date of last issue: 26.02.2025

| | | |
|-------------------|------|--------------------|
| Skin Corr. 1B | H314 | Calculation method |
| Eye Dam. 1 | H318 | Calculation method |
| Aquatic Chronic 3 | H412 | Calculation method |

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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.