

SAFETY DATA SHEET

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

Revision date: 5 Jan 2026

Print date: 5 Jan 2026

Version: 2

DEUREX
THE WAX COMPANY

DEUREX S 3219 M

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

1.1. Product identifier

Trade name/designation:

DEUREX S 3219 M

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

Use of the substance/mixture:

Additive

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

DEUREX AG

Dr.-Bergius-Str. 8 – 12

06729 Elsteraua

Germany

Telephone: +49(0)3441 / 8 29 29 29

Telefax: +49(0)3441 / 8 29 29 28

E-mail: info@deurex.com

Website: www.deurex.com

1.4. Emergency telephone number

Common poisons information centre of the Federal States
Mecklenburg-Western Pomerania, Saxony, Saxony-Anhalt and Thuringia
D-99089 Erfurt, 24h: +49(0)361-730730

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

According to EC directives or the corresponding national regulations the product does not have to be labelled.

Hazard statements: none

Supplemental hazard information: none

2.3. Other hazards

Other adverse effects:

The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Description:

Silica coated wax

Additional information:

Micronized Powder

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SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended.

Following inhalation:

Provide fresh air.

Following ingestion:

Rinse mouth. Let 1 glass of water be drunken in little sips (dilution effect). Get medical advice/attention if you feel unwell.

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

No data available

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water, Foam, Dry extinguishing powder

Unsuitable extinguishing media:

Strong water jet, Full water jet

5.2. Special hazards arising from the substance or mixture

The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

Hazardous combustion products:

In case of fire: Gases/vapours, toxic

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4. 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

6.1.1. For non-emergency personnel

Personal precautions:

Avoid breathing dust/fume/gas/mist/vapours/spray. Remove persons to safety.

Protective equipment:

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

6.1.2. For emergency responders

Personal protection equipment:

Personal protection equipment: see section 8

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

No data available

6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

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6.5. Additional information

Use appropriate container to avoid environmental contamination.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Wear personal protection equipment (refer to section 8). Only use the material in places where open light, fire and other flammable sources can be kept away.

Fire prevent measures:

Avoid electrostatic discharge. Avoid dust formation. The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

Advices on general occupational hygiene

When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Keep container tightly closed in a cool, well-ventilated place.

Avoid high temperatures or direct sunlight.

Storage class (TRGS 510, Germany): 11 – Combustible solids that cannot be assigned to any of the above storage classes

Further information on storage conditions:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Can be stored for at least 24 months if stored under the correct conditions.

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
DFG (DE) from 2 Jul 2024	silicon dioxide CAS No.: 7631-86-9 EC No.: 231-545-4	① 0.02 mg/m ³ ② 0.16 mg/m ³ ⑤ (alveolengängige Fraktion)
TRGS 900 (DE) from 18 Jun 2024	silicon dioxide CAS No.: 7631-86-9 EC No.: 231-545-4	① 1 mg/m ³ ② 8 mg/m ³ ⑤ (einhaltbare Fraktion) AGS, 2, Y

8.1.2. Biological limit values

No data available

8.1.3. DNEL-/PNEC-values

No data available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No data available

8.2.2. Personal protection equipment

Eye/face protection:

Eye glasses with side protection EN 166

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Skin protection:

Tested protective gloves must be worn.

In the case of wanting to use the gloves again, clean them before taking off and air them well.

8.2.3. Environmental exposure controls

No data available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: solid

Form: Powder

Colour: white

Odour: odourless

flammability: No data available

Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
Freezing point	<i>not applicable</i>		
Initial boiling point and boiling range	<i>No data available</i>		
Flash point	> 180 °C		
Evaporation rate	<i>No data available</i>		
Vapour pressure	<i>No data available</i>		
Relative density	0.97 – 0.99	23 °C	② wax
Water solubility	<i>No data available</i>		
Drop point/drop range	110 – 120		② wax

9.2. Other information

The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

9.2.2. Other safety characteristics

Parameter	Value	① Method ② Remark
Dust explosibility	St1	

SECTION 10: Stability and reactivity

10.1. Reactivity

No specific test data related to reactivity available for this product or its ingredients.

10.2. Chemical stability

No data available

10.3. Possibility of hazardous reactions

The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

10.4. Conditions to avoid

Safe handling: see section 7

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

No known hazardous decomposition products.

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SECTION 11: Toxicological information

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

Synthetic hard wax CAS No.: 8002-74-2 EC No.: 232-315-6
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LD₅₀ oral: >5,000 mg/kg (Rat)

LD₅₀ dermal: >2,000 mg/kg (Rat)

Acute oral toxicity:

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

Acute dermal toxicity:

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

Acute inhalation toxicity:

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

Skin corrosion/irritation:

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

Serious eye damage/irritation:

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

Respiratory or skin sensitisation:

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

Germ cell mutagenicity:

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

Carcinogenicity:

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

Reproductive toxicity:

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.

Additional information:

No data available

11.2. Information on other hazards

No data available

SECTION 12: Ecological information

12.1. Toxicity

silicon dioxide CAS No.: 7631-86-9 EC No.: 231-545-4

LC₅₀: 1,033.016 mg/L 4 d (fish, Fishes species) QSAR
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LC₅₀: 512.078 mg/L 2 d (crustaceans, Daphnid species) QSAR model
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EC₅₀: >1,000 mg/L 1 d (Daphnia magna)

EC₅₀: >173.1 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus (previous name: Scenedesmus subspicatus))

EC₅₀: 217.576 mg/L 4 d (Algae/water plant, Green Algae) QSAR model
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EC₅₀: >5,000 mg/L 2 d (crustaceans, Daphnia magna) OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

NOEC: 173.1 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus (previous name: Scenedesmus subspicatus))

NOEC: 500 mg/L 4 d (fish, Pimephales promelas) OECD Guideline 203 (Fish, Acute Toxicity Test)
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NOEC: 5,000 mg/L 2 d (crustaceans, Daphnia magna) OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

NOEC: 68 mg/L 21 d (crustaceans, Daphnia magna) OECD Guideline 211 (Daphnia magna Reproduction Test)

LOEC: 149.2 mg/L 21 d (crustaceans, Daphnia magna) OECD Guideline 211 (Daphnia magna Reproduction Test)
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Synthetic hard wax CAS No.: 8002-74-2 EC No.: 232-315-6

LC₅₀: >100 mg/L 4 d (Pimephales promelas)

EC₅₀: >10,000 mg/L 2 d (Daphnia, Gammarus pulex)

EC₅₀: >100 mg/L 3 d

NOEC: 10 mg/L 21 d (Daphnia magna)

NOEC: ≥1,000 mg/L 28 d (Oncorhynchus mykiss)

NOEC: >2.17 mg/L

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

silicon dioxide CAS No.: 7631-86-9 EC No.: 231-545-4

Log K_{ow}: 0.53

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

silicon dioxide CAS No.: 7631-86-9 EC No.: 231-545-4

Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

Synthetic hard wax CAS No.: 8002-74-2 EC No.: 232-315-6

Results of PBT and vPvB assessment: —

12.6. Endocrine disrupting properties

No data available

12.7. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Consult the appropriate local waste disposal expert about waste disposal.

Waste treatment options

Appropriate disposal / Product:

Consult the appropriate local waste disposal expert about waste disposal.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or ID number			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es)			
not relevant	not relevant	not relevant	not relevant
14.4. Packing group			
not relevant	not relevant	not relevant	not relevant
14.5. Environmental hazards			
not relevant	not relevant	not relevant	not relevant

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Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
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14.6. Special precautions for user

not relevant	not relevant	not relevant	not relevant
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14.7. Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

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

15.1.1. EU legislation

Authorisations:

Depending on your use of the product and/or the intended end use, this product may fall under a derogation

Synthetic polymer microparticles

The synthetic polymer microparticles supplied is subject to conditions laid down by entry 78 of Annex XVII to Regulation (EC) No 1907/2006.

type of polymer	CAS No.	EC No.	Concentration
Polyethylene	9002-88-4	618-339-3	10 - 20 weight-%

15.1.2. National regulations

[DE] National regulations

Water hazard class

WGK:

1 - slightly hazardous to water

15.2. Chemical Safety Assessment

No data available

SECTION 16: Other information

16.1. Indication of changes

No data available

16.2. Abbreviations and acronyms

No data available

16.3. Key literature references and sources for data

Substance name	Type	source of supply
silicon dioxide CAS No.: 7631-86-9 EC No.: 231-545-4	LC ₅₀ ; EC ₅₀ ; NOEC; LOEC	Source: European Chemicals Agency, http://echa.europa.eu/

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

No data available

16.6. Training advice

No data available

16.7. Additional information

No data available