SAFETY DATA SHEET

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

Revision date: 6 Nov 2024
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Version: 1

DEUREX®
THE WAX COMPANY

MASTERWAX ANTIBLOCK

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

1.1. Product identifier

Trade name/designation:

MASTERWAX ANTIBLOCK

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 Elsteraue
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
Precautionary statements: 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:

wax

Additional information:

Micronized Powder

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.

After eye contact:
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

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
May cause respiratory irritation. No known symptoms to date.

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

For containment:
Collect spillage. Measures to prevent aerosol and dust generation Wet clean or vacuum up solids.

For cleaning up:
Water (with cleaning agent)

6.4. Reference to other sections

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

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). Do not breathe dust.

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

Measures to prevent aerosol and dust generation:
Dust should be exhausted directly at the point of origin. Additional measures for respiratory protection High efficiency particulate air filter (HEPA filter)

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.

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.

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 1 Jul 2018	**Polytetrafluorethylen** CAS No.: 9002-84-0	① 4 mg/m³ multipliziert mit der Materialdichte ⑤ (einatembare Fraktion)
DFG (DE) from 1 Jul 2018	**Polytetrafluorethylen** CAS No.: 9002-84-0	① 0.3 mg/m³ multipliziert mit der Materialdichte ② 2.4 mg/m³ multipliziert mit der Materialdichte ⑤ (alveolengängige Fraktion)
DFG (DE) from 1 Jul 2022	**silicon dioxide** CAS No.: 7631-86-9 EC No.: 231-545-4	① 0.02 mg/m³ ② 1.6 mg/m³ ⑤ (alveolengängige Fraktion)

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
TRGS 900 (DE)	**silicon dioxide** CAS No.: 7631-86-9 EC No.: 231-545-4	① 4 mg/m³ ⑤ (einatembare Fraktion) DFG, 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

Skin protection:
Tested protective gloves must be worn EN ISO 374.
In the case of wanting to use the gloves again, clean them before taking off and air them well.

Respiratory protection:
Particle filter device (EN 143)

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: Powder
Colour: white
Odour: not determined

Safety relevant basis data

Parameter	Value	① Method ② Remark
pH	*not applicable*	
Melting point	*No data available*	
Freezing point	*not applicable*	
Initial boiling point and boiling range	*No data available*	
Flash point	*No data available*	
Evaporation rate	*No data available*	
Vapour pressure	*No data available*	
Density	0.96 – 0.98	
Bulk density	*No data available*	
Water solubility	*No data available*	
Drop point/drop range	115 – 130 °C	

particle characteristics:
No data available

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
dust explosive

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.

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
LD_{50} oral: >5,000 mg/kg (Rat)
LD_{50} dermal: >2,000 mg/kg (Rat)
N,N'-ethylenedi(stearamide) CAS No.: 110-30-5 EC No.: 203-755-6
LD_{50} oral: >5,000 mg/kg (rat) OECD 401
LD_{50} dermal: >15,380 mg/kg (rat) OECD 401
LC_{50} Acute inhalation toxicity (dust/mist): >2,000 mg/L 4 h (rabbit) OECD 402
PP-Wachs (Polypropylenwachs) CAS No.: 9003-07-0 EC No.: 618-352-4
LD_{50} oral: >2,000 mg/kg (Rat)
Polytetrafluorethylen CAS No.: 9002-84-0
LD_{50} oral: >5,000 mg/kg (Rat)
LC_{50} Acute inhalation toxicity (vapour): 3.5 mg/L (Rat)
LC_{50} Acute inhalation toxicity (dust/mist): 2.7 mg/L (Ratte)
silicon dioxide CAS No.: 7631-86-9 EC No.: 231-545-4
LD_{50} oral: >1,000 mg/kg (rat) OECD Guideline 401 (Acute Oral Toxicity)
LD_{50} dermal: >2,000 mg/kg (rat) OECD Guideline 402 (Acute Dermal Toxicity)
LC_{50} Acute inhalation toxicity (vapour): >2.2 mg/L 4 h (rat) OECD Guideline 403 (Acute Inhalation Toxicity)
LC_{50} Acute inhalation toxicity (dust/mist): <2.19 mg/L 4 h (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

Synthetic hard wax CAS No.: 8002-74-2 EC No.: 232-315-6
LC_{50}: >100 mg/L 4 d (Pimephales promelas)
EC_{50}: >10,000 mg/L 2 d (Daphnia, Gammarus pulex)
EC_{50}: >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
N,N'-ethylenedi(stearamide) CAS No.: 110-30-5 EC No.: 203-755-6
LC_{50}: >300 mg/L 2 d
LC_{50}: 39.8 mg/L 4 d OECD 203
LC_{50}: >0.027 mg/L 4 d (fish) no data
EC_{50}: >0.053 mg/L 3 d (Algae/water plant) no data
EC_{50}: >0.002 mg/L 2 d (crustaceans, Daphnia sp.) no data
NOEC: >100 mg/L 21 d (daphnia magna) OECD 211
NOEC: >0.053 mg/L 3 d (Algae/water plant) no data
NOEC: >0.006 mg/L 21 d (crustaceans, Daphnia sp.) no data
silicon dioxide CAS No.: 7631-86-9 EC No.: 231-545-4
LC_{50}: 1,033.016 mg/L 4 d (fish, Fishes species) QSAR
LC_{50}: 512.078 mg/L 2 d (crustaceans, Daphnid species) QSAR model
EC_{50}: >1,000 mg/L 1 d (Daphnia magna)
EC_{50}: >173.1 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus (previous name: Scenedesmus subspicatus))
EC_{50}: 217.576 mg/L 4 d (Algae/water plant, Green Algae) QSAR model
EC_{50}: >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)
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)

12.2. Persistence and degradability
No data available

12.3. Bioaccumulative potential

N,N'-ethylenedi(stearamide) CAS No.: 110-30-5 EC No.: 203-755-6	
Log K_{OW}: 13.98	
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

Synthetic hard wax CAS No.: 8002-74-2 EC No.: 232-315-6	
Results of PBT and vPvB assessment: —	
N,N'-ethylenedi(stearamide) CAS No.: 110-30-5 EC No.: 203-755-6	
Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.	
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.	

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
14.6. Special precautions for user			
not relevant	not relevant	not relevant	not relevant

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
No data available

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

ACGIH	American Conference of Governmental Industrial Hygienists
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
DIN	German Institute for Standardization / German Industrial Standard
DNEL	derived no-effect level
EN	European Standard
ES	Exposure scenario
HEPA	High Efficiency Particulate Air
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
MAK	Maximum concentration in the workplace air (CH)
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety & Health
OSHA	Occupational Safety & Health Administration
PBT	persistent and bioaccumulative and toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation and Authorization of Chemicals
RID	Dangerous goods regulations for transport by rail
TRGS	Technische Regeln für Gefahrstoffe
UN	United Nations

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	LD_{50} oral; LD_{50} dermal; LC_{50} Acute inhalation toxicity (vapour); LC_{50} Acute inhalation toxicity (dust/mist); LC_{50}; EC_{50}; NOEC; LOEC	Source: European Chemicals Agency, http://echa.europa.eu/
N,N'-ethylenedi(stearamide) CAS No.: 110-30-5 EC No.: 203-755-6	LC_{50}; EC_{50}; NOEC	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