

# SAFETY DATA SHEET

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

**Revision date:** 25 Nov 2025

**Print date:** 25 Nov 2025

**Version:** 2

# DEUREX

THE WAX COMPANY

## DEUREX F 6414 M

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

#### 1.1. Product identifier

**Trade name/designation:**

DEUREX F 6414 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 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

#### 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:**

Polyolefin wax coated with PTFE

**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.

##### 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.

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### 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. Avoid dust formation. Take action to prevent static discharges.

#### 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.

#### 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.

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 1 Jul 2024	<b>Polytetrafluorethylen</b> CAS No.: 9002-84-0	① 4 mg/m <sup>3</sup> ⑤ (einatembare Fraktion)
DFG (DE) from 1 Jul 2024	<b>Polytetrafluorethylen</b> CAS No.: 9002-84-0	① 0.3 mg/m <sup>3</sup> ② 2.4 mg/m <sup>3</sup> ⑤ (alveolengängige Fraktion)

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### 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 Suitable material: Breakthrough time: min 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:** solid

**Form:** Powder

**Colour:** whitish

**Odour:** not determined

**flammability:** No data available

#### 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	> 180 °C	
Evaporation rate	No data available	
Vapour pressure	No data available	
Density	No data available	
Bulk density	No data available	
Water solubility	No data available	
Drop point/drop range	110 - 120 °C	② wax
Melting point	316 - 326 °C	② Polytetrafluoroethylene (PTFE)

#### 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	

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### 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.

### SECTION 11: Toxicological information

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

<b>Synthetic hard wax</b>	CAS No.: 8002-74-2	EC No.: 232-315-6
<b>LD<sub>50</sub> oral:</b> >5,000 mg/kg (Rat)		
<b>LD<sub>50</sub> dermal:</b> >2,000 mg/kg (Rat)		
<b>Polytetrafluorethylen</b>	CAS No.: 9002-84-0	
<b>LD<sub>50</sub> oral:</b> >5,000 mg/kg (Rat)		
<b>LC<sub>50</sub> Acute inhalation toxicity (vapour):</b> 3.5 mg/L (Rat)		
<b>LC<sub>50</sub> Acute inhalation toxicity (dust/mist):</b> 2.7 mg/L (Ratte)		

#### 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

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### 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<sub>50</sub>**: >100 mg/L 4 d (Pimephales promelas)

**EC<sub>50</sub>**: >10,000 mg/L 2 d (Daphnia, Gammarus pulex)

**EC<sub>50</sub>**: >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

No data available

### 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:** —

**Polytetrafluorethylen** CAS No.: 9002-84-0

**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)
<b>14.1. UN number or ID number</b>			
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.
<b>14.2. UN proper shipping name</b>			
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.
<b>14.3. Transport hazard class(es)</b>			
not relevant	not relevant	not relevant	not relevant
<b>14.4. Packing group</b>			
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)
<b>14.5. Environmental hazards</b>			
not relevant	not relevant	not relevant	not relevant
<b>14.6. Special precautions for user</b>			
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

##### 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
Polytetrafluorethylen	9002-84-0		5 – 10 weight-%
Polyethylene	9002-88-4	618-339-3	40 – 50 weight-%

#### 15.1.2. National regulations

##### [DE] National regulations

##### Water hazard class

###### WGK:

keine Angabe

### 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

No data available

### 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