DEUREX
THE WAX COMPANY

# BIOMER 112 M15

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

### 1.1. Product identifier
**Trade name/designation:**

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### 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 substance 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

### 3.1. Substances

**Description:**
wax

**Additional information:**
Biodegradable.

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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).

**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.

### 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

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

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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

**Physical state:** solid
**Form:** Powder
**Colour:** white
**Odour:** not determined
**flammability:** No data available

#### Safety relevant basis data

| Parameter | Value | at °C | ① Method<br>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 | > 200 °C | | |
| Evaporation rate | *No data available* | | |
| Vapour pressure | *No data available* | | |
| Density | 0.94 – 0.95 g/cm³ | | |
| Bulk density | *No data available* | | |
| Water solubility | *No data available* | | |
| Partition coefficient: n-octanol/water | *No data available* | | |
| Dynamic viscosity | < 40 mPa* s | 140 °C | |
| Drop point/drop range | 110 – 120 °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<br>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

**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
No data available

### 12.2. Persistence and degradability
**Biodegradation:**
Biodegradable. (OECD 301 B)

### 12.3. Bioaccumulative potential
No data available

### 12.4. Mobility in soil
No data available

### 12.5. Results of PBT and vPvB assessment
No data available

### 12.6. Endocrine disrupting properties
No data available

### 12.7. Other adverse effects
No data available

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## 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

**Authorisations:**

This product has been tested according to OECD 301 B and is readily biodegradable.
It therefore meets the requirements for exemptions under Regulation (EU) 2023/2055 (‘Microplastics Regulation’) and is not subject to the restrictions under REACH Annex XVII Entry 78.

#### 15.1.2. National regulations

**[DE] National regulations**

**Water hazard class**

**WGK:**

nwg - non-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


GeSi.de

### 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 substance 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