

# SAFETY DATA SHEET

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

Revision date: 30 Jan 2025

Print date: 30 Jan 2025

Version: 3



## BIOMER 60 E

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

#### 1.1. Product identifier

Trade name/designation:

BIOMER 60 E

#### 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	
EUH208	Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]; and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1); reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]; and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.
EUH210	Safety data sheet available on request.

Precautionary statements: none

#### 2.3. Other hazards

No data available

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

Description:

Sugarcane wax emulsion

Additional information:

Biodegradable. (OECD 301 B)

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### Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 68439-49-6 EC No.: 931-932-4	<b>Alkohol C16-C18, ethoxyliert</b> Aquatic Acute 1 (H400), Aquatic Chronic 3 (H412)  Warning <b>Acute Toxicity Estimate</b> ATE (oral) > 2,000 mg/kg ATE (dermal) > 5,000 mg/kg	2.5 - ≤ 10 weight-%
CAS No.: 55965-84-9 Index No.: 613-167-00-5 REACH No.: 01-2120764691-48	<b>Gemisch aus: 5-Chlor-2-methyl-2H-isothiazol-3-on[EG-Nr. 247-500-7] und 2-Methyl-2H-isothiazol-3-on[EG-Nr. 220-239-6] (3:1)</b> Acute Tox. 2 (H330, H310), Acute Tox. 3 (H301), Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410), Eye Dam. 1 (H318), Skin Corr. 1C (H314), Skin Sens. 1A (H317)  Danger EUH071 M-factor (acute): 100 M-factor (chronic): 100 <b>Specific concentration limit (SCL)</b> Skin Corr. 1C; H314: C ≥ 0.6% Skin Irrit. 2; H315: 0.06% ≤ C < 0.6% Eye Dam. 1; H318: C ≥ 0.6% Eye Irrit. 2; H319: 0.06% ≤ C < 0.6% Skin Sens. 1A; H317: C ≥ 0.0015% <b>Acute Toxicity Estimate</b> ATE (oral) 200 mg/kg ATE (dermal) > 1,008 mg/kg ATE (inhalation, dust/mist) 0.171 mg/L	0 - ≤ 0.1 weight-%

Full text of H- and EUH-phrases: see section 16.

## 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 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:

Co-ordinate fire-fighting measures to the fire surroundings.

### 5.2. Special hazards arising from the substance or mixture

The product itself does not burn.

#### 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.

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### 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:**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

### 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:**

No special measures are necessary.

**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.

**Further information on storage conditions:**

Protect against: Frost

### 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

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### 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. Breakthrough times and swelling properties of the material must be taken into consideration.

### Other protection measures:

Wash hands before breaks and after work.

### 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: Liquid

Colour: light yellow

Odour: not determined

flammability: No

#### Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	7.5 – 9		
Melting point	No data available		
Freezing point	No data available		
Initial boiling point and boiling range	100 °C		
Flash point	not applicable		
Evaporation rate	No data available		
Auto-ignition temperature	not applicable		
Upper/lower flammability or explosive limits	No data available		
Vapour pressure	No data available		
Vapour density	No data available		
Density	1 g/cm <sup>3</sup>		
Bulk density	not applicable		
Water solubility	No data available		
Dynamic viscosity	100 – 200 mPa·s	40 °C	
Kinematic viscosity	No data available		
Solid content	34 – 36 %		

### 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

not relevant The product itself does not burn.

### 10.2. Chemical stability

No data available

### 10.3. Possibility of hazardous reactions

No known hazardous reactions.

### 10.4. Conditions to avoid

No data available

### 10.5. Incompatible materials

No data available

### 10.6. Hazardous decomposition products

In case of fire: Gases/vapours, toxic, Carbon monoxide, Carbon dioxide

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### SECTION 11: Toxicological information

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

<b>Alkohol C16-C18, ethoxyliert</b> CAS No.: 68439-49-6 EC No.: 931-932-4
<b>LD<sub>50</sub> oral:</b> >2,000 mg/kg (rat)
<b>LD<sub>50</sub> dermal:</b> >5,000 mg/kg (Rat)
<b>Gemisch aus: 5-Chlor-2-methyl-2H-isothiazol-3-on[EG-Nr. 247-500-7] und 2-Methyl-2H-isothiazol-3-on[EG-Nr. 220-239-6] (3:1)</b> CAS No.: 55965-84-9
<b>LD<sub>50</sub> oral:</b> 200 mg/kg (rat) OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method)
<b>LD<sub>50</sub> dermal:</b> >1,008 mg/kg (rat)
<b>LC<sub>50</sub> Acute inhalation toxicity (dust/mist):</b> 0.171 mg/L 4 h (rat) OECD Guideline 403 (Acute Inhalation Toxicity)

##### 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

<b>Alkohol C16-C18, ethoxyliert</b> CAS No.: 68439-49-6 EC No.: 931-932-4
<b>LC<sub>50</sub>:</b> 1 - 10 mg/L 4 d (fish, <i>Leuciscus idus</i> ) OECD 203
<b>EC<sub>50</sub>:</b> >1 - 10 mg/L 2 d ( <i>Daphnia magna</i> )
<b>EC<sub>50</sub>:</b> >10 - 100 mg/L (Algae/water plant)

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**Gemisch aus: 5-Chlor-2-methyl-2H-isothiazol-3-on[EG-Nr. 247-500-7] und 2-Methyl-2H-isothiazol-3-on[EG-Nr. 220-239-6] (3:1)** CAS No.: 55965-84-9

**LC<sub>50</sub>:** 0.0052 mg/L 4 d (Onchorhynchus mykiss) OECD 203

**LC<sub>50</sub>:** 0.19 mg/L 4 d (fish, Onchorhynchus mykiss (previous name: Salmo gairdneri)) EPA OPP 72-1 (Fish Acute Toxicity Test)

**LC<sub>50</sub>:** 0.18 mg/L 2 d (crustaceans, Daphnia magna) EPA OPP 72-2 (Aquatic Invertebrate Acute Toxicity Test)

**LC<sub>50</sub>:** 0.282 mg/L 4 d (crustaceans, Americamysis bahia (previous name: Mysisopsis bahia)) EPA OPPTS 850.1035 (Mysid Acute Toxicity Test)

**EC<sub>50</sub>:** 0.048 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata) OECD 201

**EC<sub>50</sub>:** 0.0181 mg/L 2 d (Algae/water plant, Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum))

**EC<sub>50</sub>:** 0.0063 mg/L 3 d (Algae/water plant, Skeletonema costatum)

**EC<sub>50</sub>:** 0.0357 mg/L 4 d (Algae/water plant, Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum))

**EC<sub>50</sub>:** 0.099 mg/L 2 d (crustaceans, Daphnia magna) OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

**NOEC:** 0.00064 mg/L 21 d (crustaceans) OECD 211

**NOEC:** 0.00049 mg/L 2 d (Algae/water plant, Skeletonema costatum)

**NOEC:** 0.0014 mg/L 3 d (Algae/water plant, Skeletonema costatum)

**NOEC:** 0.13 mg/L 4 d (fish, Onchorhynchus mykiss (previous name: Salmo gairdneri)) EPA OPP 72-1 (Fish Acute Toxicity Test)

**NOEC:** 0.098 mg/L 28 d (fish, Onchorhynchus mykiss (previous name: Salmo gairdneri)) OECD Guideline 215 (Fish, Juvenile Growth Test)

**NOEC:** 0.1 mg/L 21 d (crustaceans, Daphnia magna) EPA OPP 72-4 (Fish Early Life-Stage and Aquatic Invertebrate Life-Cycle Studies)

**LOEC:** 0.144 mg/L 28 d (fish, Onchorhynchus mykiss (previous name: Salmo gairdneri)) OECD Guideline 215 (Fish, Juvenile Growth Test)

### 12.2. Persistence and degradability

**Gemisch aus: 5-Chlor-2-methyl-2H-isothiazol-3-on[EG-Nr. 247-500-7] und 2-Methyl-2H-isothiazol-3-on[EG-Nr. 220-239-6] (3:1)** CAS No.: 55965-84-9

**Biodegradation:** Yes, rapidly

#### Biodegradation:

Biodegradable. (OECD 301 B)

### 12.3. Bioaccumulative potential

**Gemisch aus: 5-Chlor-2-methyl-2H-isothiazol-3-on[EG-Nr. 247-500-7] und 2-Methyl-2H-isothiazol-3-on[EG-Nr. 220-239-6] (3:1)** CAS No.: 55965-84-9

**Log K<sub>OW</sub>:** 117

**Bioconcentration factor (BCF):** 3.16

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

**Alkohol C16-C18, ethoxyliert** CAS No.: 68439-49-6 EC No.: 931-932-4

**Results of PBT and vPvB assessment:** —

**Gemisch aus: 5-Chlor-2-methyl-2H-isothiazol-3-on[EG-Nr. 247-500-7] und 2-Methyl-2H-isothiazol-3-on[EG-Nr. 220-239-6] (3:1)** CAS No.: 55965-84-9

**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

water hazard class 2 (obviously hazardous to water) Do not allow to enter into surface water or drains.

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### 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
<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

No data available

##### 15.1.2. National regulations

 [DE] National regulations

##### Water hazard class

###### WGK:

2 - obviously 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

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## BIOMER 60 E

### 16.3. Key literature references and sources for data

Substance name	Type	source of supply
Gemisch aus: 5-Chlor-2-methyl-2H-isothiazol-3-on[EG-Nr. 247-500-7] und 2-Methyl-2H-isothiazol-3-on[EG-Nr. 220-239-6] (3:1) CAS No.: 55965-84-9	LD <sub>50</sub> oral; LD <sub>50</sub> dermal; LC <sub>50</sub> Acute inhalation toxicity (dust/mist); LC <sub>50</sub> ; EC <sub>50</sub> ; NOEC; LOEC	Source: European Chemicals Agency, <a href="http://echa.europa.eu/">http://echa.europa.eu/</a>

### 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

Hazard statements	
H301	Toxic if swallowed.
H310	Fatal in contact with skin.
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.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Supplemental hazard information	
EUH071	Corrosive to the respiratory tract.

### 16.6. Training advice

No data available

### 16.7. Additional information

No data available