

# SAFETY DATA SHEET

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

Revision date: 28 Mar 2024

Print date: 28 Mar 2024

Version: 2

**DEUREX®**  
THE WAX COMPANY

## DEUREX EO 4601 W

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

#### 1.1. Product identifier

Trade name/designation:

DEUREX EO 4601 W

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

No data available

#### 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]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Skin corrosion/irritation ( <i>Skin Irrit. 2</i> )	H315: Causes skin irritation.	Calculation method.
Serious eye damage/eye irritation ( <i>Eye Dam. 1</i> )	H318: Causes serious eye damage.	Calculation method.

#### 2.2. Label elements

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

Hazard pictograms:



**GHS05**

Corrosion

**Signal word:** Danger

# SAFETY DATA SHEET

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

Revision date: 28 Mar 2024

Print date: 28 Mar 2024

Version: 2

**DEUREX®**  
THE WAX COMPANY

## DEUREX EO 4601 W

### Hazard components for labelling:

1,2-Benzisothiazol-3-one; Alkohole, C12-C14, ethoxyliert (10 mol EO); 2-Diethylaminoethanol (ANNEX: 603-048-00-6); Alkohole C12-C14 sekundär, Beta-(2-hydroxyethoxy), ethoxyliert

#### Hazard statements for health hazards

H315 Causes skin irritation.

H318 Causes serious eye damage.

#### Supplemental hazard information

EUH208 Contains 1,2-Benzisothiazol-3-one. May produce an allergic reaction.

#### Precautionary statements Prevention

P264 Wash ... thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...

#### Precautionary statements Response

P302 + P352 IF ON SKIN: Wash with plenty of water/....

P305 IF IN EYES:

P332 + P313 If skin irritation occurs: Get medical advice/attention.

P362 Take off contaminated clothing.

### 2.3. Other hazards

#### Adverse physicochemical effects:

Thermal decomposition can lead to the escape of irritating gases and vapours.

#### Adverse human health effects and symptoms:

Irritant — skin irritation and eye damage

The inhalation of dust/mist or aerosols causes irritation of the respiratory tract.

Causes skin irritation.

May be harmful if swallowed.

#### Adverse environmental effects:

Harmful to aquatic life.







## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Description:

emulsion

#### Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
	<b>Alkohole, C12-C14, ethoxyliert (10 mol EO)</b> Acute Tox. 4 (H302), Aquatic Chronic 3 (H412), Eye Dam. 1 (H318)   Danger	5 – 7.5 weight-%
CAS No.: 146340-15-0 Index No.: 202-845-00-6	<b>Alkohole C12-C14 sekundär, Beta-(2-hydroxyethoxy), ethoxyliert</b> Acute Tox. 4 (H302), Eye Irrit. 2 (H319)  Warning	2 – 3 weight-%
CAS No.: 100-37-8 EC No.: 202-845-2	<b>2-Diethylaminoethanol (ANNEX: 603-048-00-6)</b> Acute Tox. 4 (H302, H332, H312), Eye Dam. 1 (H318), Flam. Liq. 3 (H226), Skin Corr. 1B (H314)    Danger <b>Specific concentration limit (SCL)</b> STOT SE 3; H335: C ≥ 5%	1 – 2.5 weight-%

# SAFETY DATA SHEET

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


Revision date: 28 Mar 2024

Print date: 28 Mar 2024

Version: 2

**DEUREX®**  
THE WAX COMPANY

## DEUREX EO 4601 W

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 2634-33-5 EC No.: 220-120-9 REACH No.: 01-2120761540-60	<b>1,2-Benzisothiazol-3-one</b> Acute Tox. 4 (H302), Aquatic Acute 1 (H400), Aquatic Chronic 2 (H411), Eye Dam. 1 (H318), Skin Irrit. 2 (H315), Skin Sens. 1 (H317)  Danger M-factor (acute): 1 M-factor (chronic): 1 <b>Specific concentration limit (SCL)</b> Skin Sens. 1; H317: C ≥ 0.05%	0.01 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. Warning First aider: Pay attention to self-protection!

#### Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician.

#### In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention.

#### After eye contact:

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

#### Following ingestion:

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

#### Self-protection of the first aider:

Use personal protection equipment.

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

Skin corrosion/irritation Serious eye damage/eye irritation

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

No data available

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

#### 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:

Remove persons to safety.

# SAFETY DATA SHEET

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

Revision date: 28 Mar 2024

Print date: 28 Mar 2024

Version: 2



## DEUREX EO 4601 W

### 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).

##### 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.

### 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
TRGS 900 (DE) from 23 Jun 2022	<b>2-Diethylaminoethanol (ANNEX: 603-048-00-6)</b> CAS No.: 100-37-8 EC No.: 202-845-2	① 2 ppm (9.7 mg/m <sup>3</sup> ) ② 2 ppm (9.7 mg/m <sup>3</sup> ) ③ 5 ppm (24.25 mg/m <sup>3</sup> ) ⑤ (kann über die Haut aufgenommen werden) DFG, H, Y
DFG (DE) from 1 Jul 2021	<b>2-Diethylaminoethanol (ANNEX: 603-048-00-6)</b> CAS No.: 100-37-8 EC No.: 202-845-2	① 2 ppm (9.7 mg/m <sup>3</sup> ) ② 2 ppm (9.7 mg/m <sup>3</sup> ) ③ 5 ppm (24 mg/m <sup>3</sup> )

#### 8.1.2. Biological limit values

No data available

#### 8.1.3. DNEL-/PNEC-values

No data available

# SAFETY DATA SHEET

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

Revision date: 28 Mar 2024

Print date: 28 Mar 2024

Version: 2

**DEUREX®**  
THE WAX COMPANY

## DEUREX EO 4601 W

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

#### 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

#### Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	8.5 – 9.5		
Melting point	No data available		
Freezing point	No data available		
Initial boiling point and boiling range	100 °C		
Flash point	No data available		
Evaporation rate	No data available		
Auto-ignition temperature	No data available		
Upper/lower flammability or explosive limits	No data available		
Vapour pressure	23 mbar	20 °C	
Vapour density	No data available		
Density	0.97 g/cm <sup>3</sup>		
Bulk density	not applicable		
Water solubility	No data available		
Dynamic viscosity	< 200 mPa·s		
Kinematic viscosity	No data available		

### 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

No data available

### 10.3. Possibility of hazardous reactions

No data available

### 10.4. Conditions to avoid

Protect from moisture. Avoid high temperatures or direct sunlight.

# SAFETY DATA SHEET

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

Revision date: 28 Mar 2024

Print date: 28 Mar 2024

Version: 2



## DEUREX EO 4601 W

### 10.5. Incompatible materials

Acids, Oxidizing agent

### 10.6. Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapours. Carbon dioxide, Nitrogen oxides (NOx)

## SECTION 11: Toxicological information

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

<b>1,2-Benzisothiazol-3-one</b>	CAS No.: 2634-33-5	EC No.: 220-120-9
<b>LD<sub>50</sub> oral:</b>	490 mg/kg (rat)	OECD Guideline 401 (Acute Oral Toxicity)
<b>LD<sub>50</sub> dermal:</b>	>2,000 mg/kg (rat)	OECD Guideline 402 (Acute Dermal 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:

Causes skin irritation.

#### Serious eye damage/irritation:

Causes serious eye damage.

#### Respiratory or skin sensitisation:

Contains 1,2-Benzisothiazol-3-one. May produce an allergic reaction.

#### 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>Alcohole, C12-C14, ethoxyliert (10 mol EO)</b>
<b>LC<sub>50</sub>:</b> 10 – 100 mg/L 2 d (fish, Daphnia magna (Großer Wasserfloh)) OECD Prüfrichtlinie 203
<b>EC<sub>50</sub>:</b> 0.044 mg/L (Algae/water plant)
<b>NOEC:</b> >2 mg/L (Algae/water plant, Lepidium sativum)
<b>ErC<sub>50</sub>:</b> 0.125 mg/L 3 d (Pseudokirchneriella subcapitata (Mikroorganismen)) OECD- Prüfrichtlinie 201

# SAFETY DATA SHEET

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

Revision date: 28 Mar 2024

Print date: 28 Mar 2024

Version: 2



## DEUREX EO 4601 W

**1,2-Benzisothiazol-3-one** CAS No.: 2634-33-5 EC No.: 220-120-9

**LC<sub>50</sub>**: 2.15 mg/L 4 d (fish, *Oncorhynchus mykiss* (previous name: *Salmo gairdneri*)) OECD Guideline 203 (Fish, Acute Toxicity Test)

**EC<sub>50</sub>**: 1.2 mg/L 3 d (Algae/water plant, *Pseudokirchneriella subcapitata*) OECD 201

**EC<sub>50</sub>**: 0.07 mg/L 3 d (Algae/water plant, *Raphidocelis subcapitata* (previous names: *Pseudokirchneriella subcapitata*, *Selenastrum capricornutum*)) OECD Guideline 201 (Alga, Growth Inhibition Test)

**EC<sub>50</sub>**: 2.9 mg/L 2 d (crustaceans, *Daphnia magna*) OECD Guideline 202 (*Daphnia* sp. Acute Immobilisation Test)

**NOEC**: 0.0403 mg/L 3 d (Algae/water plant, *Raphidocelis subcapitata* (previous names: *Pseudokirchneriella subcapitata*, *Selenastrum capricornutum*)) OECD Guideline 201 (Alga, Growth Inhibition Test)

### 12.2. Persistence and degradability

No data available

### 12.3. Bioaccumulative potential

**1,2-Benzisothiazol-3-one** CAS No.: 2634-33-5 EC No.: 220-120-9

**Log K<sub>OW</sub>**: 1.47

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

**Alcohole, C12-C14, ethoxyliert (10 mol EO)**

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

**Alkohole C12-C14 sekundär, Beta-(2-hydroxyethoxy), ethoxyliert** CAS No.: 146340-15-0

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

**2-Diethylaminoethanol (ANNEX: 603-048-00-6)** CAS No.: 100-37-8 EC No.: 202-845-2

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

**1,2-Benzisothiazol-3-one** CAS No.: 2634-33-5 EC No.: 220-120-9

**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

No data available

## 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

# SAFETY DATA SHEET

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

Revision date: 28 Mar 2024

Print date: 28 Mar 2024

Version: 2

**DEUREX®**  
THE WAX COMPANY

## DEUREX EO 4601 W

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
<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

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
DIN	German Institute for Standardization / German Industrial Standard
DNEL	derived no-effect level
EC <sub>50</sub>	Effective Concentration 50%
EN	European Standard
ES	Exposure scenario
IMO	International Maritime Organization
ISO	International Standards Organisation
LC <sub>50</sub>	Lethal (fatal) Concentration 50%
LD <sub>50</sub>	Lethal (fatal) Dose 50%
MAK	Maximum concentration in the workplace air (CH)
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety & Health
NOEC	No Observed Effect Concentration
OECD	Organisation for Economic Cooperation and Development
OSHA	Occupational Safety & Health Administration
PBT	persistent and bioaccumulative and toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation and Authorization of Chemicals
SCL	Specific concentration limit
TRGS	Technische Regeln für Gefahrstoffe
UN	United Nations
ZNS	central nervous system

# SAFETY DATA SHEET

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

Revision date: 28 Mar 2024

Print date: 28 Mar 2024

Version: 2



## DEUREX EO 4601 W

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

Substance name	Type	source of supply
<b>1,2-Benzisothiazol-3-one</b> CAS No.: 2634-33-5 EC No.: 220-120-9	Classification of the substance or mixture; LD <sub>50</sub> oral; LD <sub>50</sub> dermal; LC <sub>50</sub> ; EC <sub>50</sub> ; NOEC	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]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Skin corrosion/irritation ( <i>Skin Irrit. 2</i> )	H315: Causes skin irritation.	Calculation method.
Serious eye damage/eye irritation ( <i>Eye Dam. 1</i> )	H318: Causes serious eye damage.	Calculation method.

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

Hazard statements	
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful 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.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

### 16.6. Training advice

No data available

### 16.7. Additional information

No data available