

# SAFETY DATA SHEET

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

Revision date: 27 Mar 2024

Print date: 27 Mar 2024

Version: 1

**DEUREX**<sup>®</sup>  
THE WAX COMPANY

## PRINTPLEX O

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

#### 1.1. Product identifier

Trade name/designation:

**PRINTPLEX O**

#### 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]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Acute toxicity (inhalative) (Acute Tox. 4)	H332: Harmful if inhaled.	Calculation method.
STOT-repeated exposure (STOT RE 2)	H373: May cause damage to organs through prolonged or repeated exposure.	Calculation method.

#### 2.2. Label elements

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

Hazard pictograms:



**GHS07**

Exclamation mark



**GHS08**

Health hazard

Signal word: Warning

Hazard statements for health hazards	
H332	Harmful if inhaled.
H373	May cause damage to organs through prolonged or repeated exposure.

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Supplemental hazard information: none

### Precautionary statements Prevention

P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.

### Precautionary statements Response

P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P314	Get medical advice/attention if you feel unwell.

### 2.3. Other hazards

No data available


## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Description:

EDTA 2Na Dispersion

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

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 6381-92-6	<b>EDTA 2Na</b> Acute Tox. 4 (H332), STOT RE 2 (H373)  Warning	28 - ≤ 60 weight-%
CAS No.: 8001-26-1 EC No.: 232-278-6	<b>Refined linseed oil</b> The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].	30 - < 55 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. Get medical advice/attention. Get medical advice/attention if you feel unwell.

#### In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing.

#### 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. No direct artificial respiration to be given by first aider.

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

No data available

### 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

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### 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.

**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

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### 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 2022	<b>silicon dioxide</b> CAS No.: 7631-86-9 EC No.: 231-545-4	① 0.02 mg/m <sup>3</sup> ② 1.6 mg/m <sup>3</sup> ⑤ (alveolengängige Fraktion)
TRGS 900 (DE)	<b>silicon dioxide</b> CAS No.: 7631-86-9 EC No.: 231-545-4	① 4 mg/m <sup>3</sup> 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 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:** Dispersion

**Colour:** yellow

**Odour:** not determined

##### Safety relevant basis data

Parameter	Value	① Method ② Remark
pH	No data available	
Melting point	No data available	
Freezing point	< 0 °C	
Initial boiling point and boiling range	No data available	
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	No data available	
Vapour density	No data available	

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Parameter	Value	① Method ② Remark
Density	No data available	
Bulk density	not applicable	
Water solubility	No data available	
Dynamic viscosity	No data available	
Kinematic viscosity	No data available	
Solid content	49 – 51 %	

### 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 known hazardous reactions.

### 10.4. Conditions to avoid

No data available

### 10.5. Incompatible materials

No data available

### 10.6. Hazardous decomposition products

No data available

## SECTION 11: Toxicological information

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

<b>Refined linseed oil</b> CAS No.: 8001-26-1 EC No.: 232-278-6
<b>LD<sub>50</sub> oral:</b> >2,000 mg/kg (Rat)
<b>EDTA 2Na</b> CAS No.: 6381-92-6
<b>LD<sub>50</sub> oral:</b> 2,800 mg/kg (Rat)
<b>LC<sub>50</sub> Acute inhalation toxicity (dust/mist):</b> 0.03 mg/L (Rat)
<b>silicon dioxide</b> CAS No.: 7631-86-9 EC No.: 231-545-4
<b>LD<sub>50</sub> oral:</b> >1,000 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)
<b>LC<sub>50</sub> Acute inhalation toxicity (vapour):</b> >2.2 mg/L 4 h (rat) OECD Guideline 403 (Acute Inhalation Toxicity)
<b>LC<sub>50</sub> Acute inhalation toxicity (dust/mist):</b> <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:

Harmful if inhaled.

#### 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.

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### 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:

May cause damage to organs through prolonged or repeated exposure.

### 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>Refined linseed oil</b> CAS No.: 8001-26-1 EC No.: 232-278-6
LC <sub>50</sub> : 1,000 mg/L 4 d (fish, fish)
<b>EDTA 2Na</b> CAS No.: 6381-92-6
LC <sub>50</sub> : 41 mg/L 4 d (crustaceans, Daphnia magna, Oncorhynchus mykiss, Lepomis macrochirus)
LC <sub>50</sub> : 62 mg/L 4 d
LC <sub>50</sub> : 159 mg/L 4 d
EC <sub>50</sub> : 860 mg/L (Daphnia magna)
EC <sub>50</sub> : ≥25.7 mg/L 2 d (Daphnia magna)
EC <sub>50</sub> : 140 mg/L 1 d (Daphnia magna)
NOEC: 705 mg/L 1 d (Brachydanio rerio, Danio rerio)
NOEC: 610 mg/L 1 d (Daphnia magna)
NOEC: >100 mg/L 3 d
LOEC: 625 mg/L 21 d
LOEC: 79.4 mg/L 3 d
LOEC: 48.4 mg/L 3 d
<b>silicon dioxide</b> CAS No.: 7631-86-9 EC No.: 231-545-4
LC <sub>50</sub> : 1,033.016 mg/L 4 d (fish, Fishes species) QSAR
LC <sub>50</sub> : 512.078 mg/L 2 d (crustaceans, Daphnid species) QSAR model
EC <sub>50</sub> : >1,000 mg/L 1 d (Daphnia magna)
EC <sub>50</sub> : >173.1 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus (previous name: Scenedesmus subspicatus))
EC <sub>50</sub> : 217.576 mg/L 4 d (Algae/water plant, Green Algae) QSAR model
EC <sub>50</sub> : >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

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### 12.3. Bioaccumulative potential

**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

**Refined linseed oil** CAS No.: 8001-26-1 EC No.: 232-278-6

Results of PBT and vPvB assessment: —

**EDTA 2Na** CAS No.: 6381-92-6

Results of PBT and vPvB assessment: —

**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

#### 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

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### 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

###### Description:

Self-classification (mixture; calculation rule).

#### 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

Substance name	Type	source of supply
silicon dioxide CAS No.: 7631-86-9 EC No.: 231-545-4	LD <sub>50</sub> oral; LD <sub>50</sub> dermal; LC <sub>50</sub> Acute inhalation toxicity (vapour); 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]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Acute toxicity (inhalative) (Acute Tox. 4)	H332: Harmful if inhaled.	Calculation method.
STOT-repeated exposure (STOT RE 2)	H373: May cause damage to organs through prolonged or repeated exposure.	Calculation method.

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

Hazard statements	
H332	Harmful if inhaled.
H373	May cause damage to organs through prolonged or repeated exposure.

#### 16.6. Training advice

No data available

#### 16.7. Additional information

No data available