

# SAFETY DATA SHEET

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

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## Freeprint Tray 2.0

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

#### 1.1. Product identifier

Trade name/designation:

Freeprint Tray 2.0

#### 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):

detax GmbH

Carl-Zeiss-Str. 4

76256 Ettlingen

Germany

Telephone: +49 7243 510 0

E-mail: post@detax.com

Website: www.detax.com

#### 1.4. Emergency telephone number

24h: +1-800-424-9300 (CHEMTREC worldwide)

### 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
Respiratory or skin sensitisation ( <i>Skin Sens. 1</i> )	H317: May cause an allergic skin reaction.	Calculation method.
Hazardous to the aquatic environment ( <i>Aquatic Chronic 3</i> )	H412: Harmful to aquatic life with long lasting effects.	Calculation method.

#### 2.2. Label elements

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

Hazard pictograms:



**GHS07**

Exclamation mark

Signal word: Warning

Hazard components for labelling:

ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate; (5-ethyl-1,3-dioxan-5-yl)methyl acrylate;

Methacrylsäure

#### Hazard statements for health hazards

H317 May cause an allergic skin reaction.

#### Hazard statements for environmental hazards

H412 Harmful to aquatic life with long lasting effects.

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Supplemental hazard information: none

### Precautionary statements Prevention

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.

### Precautionary statements Response

P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.

### Special rules for supplemental label elements for certain mixtures:

99,4 % percent of the mixture consists of ingredient(s) of unknown acute toxicity (oral).

97,5 % percent of the mixture consists of ingredient(s) of unknown acute toxicity (dermal).

97,5 % percent of the mixture consists of ingredient(s) of unknown acute toxicity (inhalative).





### 2.3. Other hazards

No data available

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

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

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 41637-38-1	<b>Ethoxyliertes Bisphenol-A-Dimethylacrylat</b> Aquatic Chronic 4 (H413)	20 - < 50 weight-%
CAS No.: 84434-11-7 EC No.: 282-810-6	<b>ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate</b> Aquatic Chronic 2 (H411), Skin Sens. 1B (H317)  Warning <b>Acute Toxicity Estimate</b> ATE (dermal) > 2,000 mg/kg ATE (inhalation, vapour) > 5,000 mg/L	1 - < 5 weight-%
CAS No.: 66492-51-1 EC No.: 266-380-7	<b>(5-ethyl-1,3-dioxan-5-yl)methyl acrylate</b> Aquatic Chronic 2 (H411), Skin Irrit. 2 (H315), Skin Sens. 1 (H317)  Warning	0 - < 5 weight-%
CAS No.: 162881-26-7 EC No.: 423-340-5 Index No.: 015-189-00-5 REACH No.: 01-2119489401-38	<b>Phosphinoxid, phenylbis(2,4,6-trimethylbenzoyl)-</b> Aquatic Chronic 4 (H413), Skin Sens. 1A (H317)  Warning	0 - ≤ 1 weight-%
CAS No.: 79-41-4 EC No.: 201-204-4	<b>Methacrylsäure</b> Acute Tox. 3 (H311), Acute Tox. 4 (H302, H332), Eye Dam. 1 (H318), STOT SE 3 (H335), Skin Corr. 1 (H314)  Danger <b>Specific concentration limit (SCL)</b> STOT SE 3; H335: C ≥ 1% <b>Acute Toxicity Estimate</b> ATE (oral) 500 mg/kg ATE (dermal) 300 mg/kg ATE (inhalation, vapour) 11 mg/L ATE (inhalation, dust/mist) 1.5 mg/L	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.

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If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended.

### **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. Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

### **Following ingestion:**

Rinse mouth. Let 1 glass of water be drunk 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**

Allergic reactions

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

Treat symptomatically.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Unsuitable extinguishing media:**

Full water jet

### **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.

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### 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 7 Jun 2017	<b>Methacrylsäure</b> CAS No.: 79-41-4 EC No.: 201-204-4	① 50 ppm (180 mg/m <sup>3</sup> ) ② 100 ppm (360 mg/m <sup>3</sup> ) ⑤ DFG, Y
TRGS 900 (DE) from 1 Jul 2012	<b>2,6-di-tert-butyl-p-cresol</b> CAS No.: 128-37-0 EC No.: 204-881-4	① 10 mg/m <sup>3</sup> ② 40 mg/m <sup>3</sup> ⑤ (Aerosol und Dampf, einatembare Fraktion) DFG, Y, 11

##### 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

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### SECTION 9: Physical and chemical properties

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

##### Appearance

**Physical state:** Liquid

**Colour:** not determined

**Odour:** not determined

**flammability:** No data available

##### Safety relevant basis data

Parameter	Value	① Method ② Remark
pH	No data available	
Melting point	No data available	
Freezing point	No data available	
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	
Density	No data available	
Bulk density	not applicable	
Water solubility	No data available	
Dynamic viscosity	No data available	
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

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

##### Toxicological information

###### Acute Toxicity Estimate for Mixtures

**ATE (dermal):** 7,082.9 mg/kg

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**ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate** CAS No.: 84434-11-7 EC No.: 282-810-6

**LD<sub>50</sub> dermal:** >2,000 mg/kg (Ratte)

**LC<sub>50</sub> Acute inhalation toxicity (vapour):** >5,000 mg/L 1 d (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:

May cause an allergic skin 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

**Ethoxyliertes Bisphenol-A-Dimethylacrylat** CAS No.: 41637-38-1

**NOEC:** 14.3 mg/L (Algae/water plant, Belebtschlamm)

**NOEC:** 14.3 mg/L 28 d (Algae/water plant, Activated sludge)

**LC<sub>50</sub>:** >100 mg/L (fish)

**EC<sub>50</sub>:** >100 mg/L (Daphnia)

**ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate** CAS No.: 84434-11-7 EC No.: 282-810-6

**LC<sub>50</sub>:** =1.01 mg/L 3 d (Algae/water plant, Danio rerio (Mikroorganismen)) OECD 201

**LC<sub>50</sub>:** =1.89 mg/L 4 d (fish) OECD 209

**LC<sub>50</sub>:** =2.69 mg/L 2 d (Algae/water plant)

**EC<sub>50</sub>:** >1,000 mg/L (crustaceans) OECD 202

**EC<sub>50</sub>:** >1,000 mg/L (crustaceans) OECD 202

**Phosphinoxid, phenylbis(2,4,6-trimethylbenzoyl)-** CAS No.: 162881-26-7 EC No.: 423-340-5

**LC<sub>50</sub>:** >0.09 mg/L 4 d (fish)

**EC<sub>50</sub>:** >0.26 mg/L 3 d (Algae/water plant, Mikroorganismen)

**NOEC:** >0.09 mg/L 4 d

### Aquatic toxicity:

Harmful to aquatic life with long lasting effects.

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### 12.2. Persistence and degradability

**Phosphinoxid, phenylbis(2,4,6-trimethylbenzoyl)-** CAS No.: 162881-26-7 EC No.: 423-340-5

**Biodegradation:** Poorly biodegradable.

### 12.3. Bioaccumulative potential

No data available

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

**Ethoxyliertes Bisphenol-A-Dimethylacrylat** CAS No.: 41637-38-1

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

**ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate** CAS No.: 84434-11-7 EC No.: 282-810-6

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

**(5-ethyl-1,3-dioxan-5-yl)methyl acrylate** CAS No.: 66492-51-1 EC No.: 266-380-7

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

**Phosphinoxid, phenylbis(2,4,6-trimethylbenzoyl)-** CAS No.: 162881-26-7 EC No.: 423-340-5

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

**Methacrylsäure** CAS No.: 79-41-4 EC No.: 201-204-4

**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

#### 13.1.1. Product/Packaging disposal

**Waste codes/waste designations according to EWC/AVV Directive 2008/98/EC (Waste Framework Directive)**

HP 14 Ecotoxic

#### 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

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

1 - slightly 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
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
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
EWC	European Waste Catalogue
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
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
RID	Dangerous goods regulations for transport by rail
SCL	Specific concentration limit
TRGS	Technische Regeln für Gefahrstoffe

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## Freerprint Tray 2.0

UN United Nations

### 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]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Respiratory or skin sensitisation ( <i>Skin Sens. 1</i> )	H317: May cause an allergic skin reaction.	Calculation method.
Hazardous to the aquatic environment ( <i>Aquatic Chronic 3</i> )	H412: Harmful to aquatic life with long lasting effects.	Calculation method.

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

Hazard statements	
H302	Harmful if swallowed.
H311	Toxic 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.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H411	Toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

### 16.6. Training advice

No data available

### 16.7. Additional information

No data available