

## Safety Data Sheet

according to UK REACH Regulation

### freeprint® tray 385 2.0

Revision date: 13.06.2023

Product code: 1213

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

### 1.1. Product identifier

freeprint® tray 385 2.0

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

#### Use of the substance/mixture

Light curing one component material for the fabrication of dental splints and guides.

### 1.3. Details of the supplier of the safety data sheet

|                         |   |                           |
|-------------------------|---|---------------------------|
| Company name:           | DETAX GmbH  |                           |
| Street:                 | Carl-Zeiss-Straße 4   |                           |
| Place:                  | D-76275 Ettlingen   |                           |
| Telephone:              | +49 7243/510-0  | Telefax: +49 7243/510-100 |
| E-mail:                 | post@detax.com  |                           |
| Internet:               | www.detax.com   |                           |
| Responsible Department: | This number is only obtainable during office hours<br>(Monday - Thursday 8.00 a.m. - 5.00 p.m., Friday 8.00 a.m. - 4.00 p.m.) |                           |

### 1.4. Emergency telephone number:

+1-800-424-9300 (CHEMTREC worldwide)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### GB CLP Regulation

Skin Irrit. 2; H315  
 Eye Irrit. 2; H319  
 Skin Sens. 1; H317  
 Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

### 2.2. Label elements

#### GB CLP Regulation

#### Hazard components for labelling

2-Propenoic acid, (5-ethyl-1,3-dioxan-5-yl)methyl ester  
 diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide  
 phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide

Signal word: Warning

#### Pictograms:



#### Hazard statements

|      |  |
|------|--|
| H315 | Causes skin irritation.                            |
| H317 | May cause an allergic skin reaction.               |
| H319 | Causes serious eye irritation.                     |
| H335 | May cause respiratory irritation.                  |
| H412 | Harmful to aquatic life with long lasting effects. |

#### Precautionary statements

|      |   |
|------|---|
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray.   |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. |

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|           |   |
|-----------|---|
| P302+P352 | IF ON SKIN: Wash with plenty of water.  |
| P333+P313 | If skin irritation or rash occurs: Get medical advice/attention.                  |
| P362+P364 | Take off contaminated clothing and wash it before reuse.                          |
| P501      | Dispose of contents/ container in accordance with local and national regulations. |

#### 2.3. Other hazards

No information available.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Chemical characterization

Mixture of acrylic/ methacrylic resins with auxilliary matters.

##### Hazardous components

| CAS No      | Chemical name  | Quantity     |
|-------------|--|--------------|
|             | EC No  |              |
|             | Index No   |              |
|             | REACH No   |              |
|             | Classification (GB CLP Regulation)                             |              |
| 41637-38-1  | isopropylidenediphenol peg dimethacrylate                      | 80 - < 100 % |
|             | 609-946-4  |              |
|             | 01-2119980659-17   |              |
|             | Aquatic Chronic 4; H413  |              |
| 66492-51-1  | 2-Propenoic acid, (5-ethyl-1,3-dioxan-5-yl)methyl ester        | 0.1 - < 5 %  |
|             | 266-380-7  |              |
|             | Skin Irrit. 2, Skin Sens. 1, Aquatic Chronic 2; H315 H317 H411 |              |
| 75980-60-8  | diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide                | 0.1 - < 5 %  |
|             | 278-355-8  |              |
|             | 015-203-00-X   |              |
|             | 01-2119972295-29   |              |
|             | Repr. 2, Skin Sens. 1B, Aquatic Chronic 2; H361 H317 H411      |              |
| 162881-26-7 | phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide             | 0.1 - < 5 %  |
|             | 423-340-5  |              |
|             | 015-189-00-5   |              |
|             | 01-2119489401-38   |              |
|             | Skin Sens. 1A, Aquatic Chronic 4; H317 H413                    |              |

Full text of H and EUH statements: see section 16.

##### Specific Conc. Limits, M-factors and ATE

| CAS No      | EC No     | Chemical name   | Quantity     |
|-------------|-----------|---|--------------|
|             |           | Specific Conc. Limits, M-factors and ATE                |              |
| 41637-38-1  | 609-946-4 | isopropylidenediphenol peg dimethacrylate               | 80 - < 100 % |
|             |           | dermal: LD50 = >2000 mg/kg; oral: LD50 = >2000 mg/kg    |              |
| 66492-51-1  | 266-380-7 | 2-Propenoic acid, (5-ethyl-1,3-dioxan-5-yl)methyl ester | 0.1 - < 5 %  |
|             |           | dermal: LD50 = 2000 mg/kg; oral: LD50 = >2000 mg/kg     |              |
| 75980-60-8  | 278-355-8 | diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide         | 0.1 - < 5 %  |
|             |           | dermal: LD50 = >2000 mg/kg; oral: LD50 = >5000 mg/kg    |              |
| 162881-26-7 | 423-340-5 | phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide      | 0.1 - < 5 %  |
|             |           | dermal: LD50 = >2000 mg/kg; oral: LD50 = >2000 mg/kg    |              |

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### After inhalation

Provide fresh air. When in doubt or if symptoms are observed, get medical advice.

##### After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. Medical treatment necessary.

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#### **After contact with eyes**

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

#### **After ingestion**

Rinse mouth immediately and drink plenty of water.

Seek immediately medical advice. Do not induce vomiting. In case of spontaneous vomiting take care of an unhindered flow out of the vomit (danger of suffocation).

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

No information available.

#### **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**

Non-flammable.

#### **5.3. Advice for firefighters**

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

#### **Additional information**

Suppress gases/vapours/mists with water spray jet. 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**

##### **General advice**

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

#### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

#### **6.3. Methods and material for containment and cleaning up**

##### **Other information**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

#### **6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

### **SECTION 7: Handling and storage**

#### **7.1. Precautions for safe handling**

##### **Advice on safe handling**

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

##### **Advice on protection against fire and explosion**

No special fire protection measures are necessary.

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#### Advice on general occupational hygiene

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff.

#### 7.2. Conditions for safe storage, including any incompatibilities

##### Requirements for storage rooms and vessels

Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaustion at critical locations.

##### Hints on joint storage

Keep away from spontaneous flammable or combustible substances.

##### Further information on storage conditions

Keep only in the original container in a dry and well-ventilated place, away from foodstuffs. Keep away from all kind of lighth. An inert gas blanket should not be applied, because the stability of the product depends on the presence of oxygen (air).

#### 7.3. Specific end use(s)

Ligth curing material for fabrication of dental splints and guides.  
For use by trained specialist staff.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### DNEL/DMEL values

| CAS No                   | Substance                                       |          |                         |  |
|--------------------------|---|----------|-------------------------|--|
| DNEL type                | Exposure route                                  | Effect   | Value                   |  |
| 75980-60-8               | diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide |          |                         |  |
| Worker DNEL, long-term   | inhalation                                      | systemic | 0,822 mg/m <sup>3</sup> |  |
| Worker DNEL, long-term   | dermal  | systemic | 0,233 mg/kg bw/day      |  |
| Consumer DNEL, long-term | inhalation                                      | systemic | 0,145 mg/m <sup>3</sup> |  |
| Consumer DNEL, long-term | dermal  | systemic | 0,0833 mg/kg bw/day     |  |
| Consumer DNEL, long-term | oral  | systemic | 0,0833 mg/kg bw/day     |  |

### 8.2. Exposure controls

#### Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

#### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Suitable eye protection: goggles.

##### Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Suitable are gloves of the following material: Butyl caoutchouc (butyl rubber)

##### Skin protection

Wear suitable protective clothing.

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#### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

### SECTION 9: Physical and chemical properties

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

Physical state: liquid:  
 Colour: blue  
 Odour: faintly like esters

#### Test method

|   |  |           |
|---|--|-----------|
| Melting point/freezing point:                             | not determined   |           |
| Boiling point or initial boiling point and boiling range: | not determined   |           |
| Flammability:   | not applicable   |           |
|   | not applicable   |           |
| Lower explosion limits:                                   | not determined   |           |
| Upper explosion limits:                                   | not determined   |           |
| Flash point:  | >100 °C  | DIN 51755 |
| Decomposition temperature:                                | >=190 °C   |           |
| pH-Value:   | not determined   |           |
| Water solubility:   | The study does not need to be conducted because the substance is known to be insoluble in water. |           |
| Solubility in other solvents                              | not determined   |           |
| Partition coefficient n-octanol/water:                    | not determined   |           |
| Vapour pressure:  | <1 hPa   |           |
| (at 20 °C)  |  |           |
| Density (at 20 °C):                                       | 1,09 g/cm <sup>3</sup>   | DIN 51757 |
| Relative vapour density:                                  | not determined   |           |

#### 9.2. Other information

##### Information with regard to physical hazard classes

##### Explosive properties

The product is not: Explosive.

##### Self-ignition temperature

Solid:

not applicable

Gas:

not applicable

##### Oxidizing properties

Not oxidizing.

##### Other safety characteristics

Evaporation rate:

not determined

Solid content:

not determined

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

#### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

#### 10.3. Possibility of hazardous reactions

Reacts with : strong oxidising agents, strong alkaline or acidic materials.

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#### 10.4. Conditions to avoid

Ultra-violet light and daylight initiate polymerisation of the product. Therefore keep only in tightly closed containers away from any sources of light at 15°C - 28°C / 59°F - 82 °F.

#### 10.5. Incompatible materials

No information available.

#### 10.6. Hazardous decomposition products

No known hazardous decomposition products.

### SECTION 11: Toxicological information

#### 11.1. Information on hazard classes as defined in GB CLP Regulation

##### Acute toxicity

Based on available data, the classification criteria are not met.

##### ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

| CAS No      | Chemical name   |                  |         |          |        |
|-------------|---|------------------|---------|----------|--------|
|             | Exposure route  | Dose             | Species | Source   | Method |
| 41637-38-1  | isopropylidenediphenol peg dimethacrylate               |                  |         |          |        |
|             | oral  | LD50 >2000 mg/kg | Rat     |          |        |
|             | dermal  | LD50 >2000 mg/kg | Rat     |          |        |
| 66492-51-1  | 2-Propenoic acid, (5-ethyl-1,3-dioxan-5-yl)methyl ester |                  |         |          |        |
|             | oral  | LD50 >2000 mg/kg | Rat     |          |        |
|             | dermal  | LD50 2000 mg/kg  | Rat     |          |        |
| 75980-60-8  | diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide         |                  |         |          |        |
|             | oral  | LD50 >5000 mg/kg | Rat     |          |        |
|             | dermal  | LD50 >2000 mg/kg | Rat     |          |        |
| 162881-26-7 | phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide      |                  |         |          |        |
|             | oral  | LD50 >2000 mg/kg | Rat     | OECD 401 |        |
|             | dermal  | LD50 >2000 mg/kg | Rat     | OECD 402 |        |

##### Irritation and corrosivity

Causes skin irritation.

Causes serious eye irritation.

##### Sensitising effects

May cause an allergic skin reaction. (2-Propenoic acid, (5-ethyl-1,3-dioxan-5-yl)methyl ester; diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide; phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide)

##### Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

##### STOT-single exposure

Based on available data, the classification criteria are not met.

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#### 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 on tests

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

## SECTION 12: Ecological information

### 12.1. Toxicity

Harmful to aquatic life with long lasting effects.

| CAS No      | Chemical name   |                    |           |                                     |          |        |
|-------------|---|--------------------|-----------|-------------------------------------|----------|--------|
|             | Aquatic toxicity  | Dose               | [h]   [d] | Species                             | Source   | Method |
| 41637-38-1  | isopropylidenediphenol peg dimethacrylate               |                    |           |                                     |          |        |
|             | Acute fish toxicity                                     | LC50 >100 mg/l     | 96 h      |                                     |          |        |
|             | Acute crustacea toxicity                                | EC50 >100 mg/l     | 48 h      |                                     |          |        |
| 66492-51-1  | 2-Propenoic acid, (5-ethyl-1,3-dioxan-5-yl)methyl ester |                    |           |                                     |          |        |
|             | Acute fish toxicity                                     | LC50 4 mg/l        | 96 h      | Oncorhynchus mykiss (Rainbow trout) |          |        |
|             | Acute algae toxicity                                    | ErC50 34 mg/l      | 72 h      | Desmodesmus subspicatus             |          |        |
|             | Acute crustacea toxicity                                | EC50 20 mg/l       | 48 h      | Daphnia magna (Big water flea)      |          |        |
|             | Acute bacteria toxicity                                 | (EC50 >1,000 mg/l) | 3 h       | Activated sludge                    |          |        |
| 75980-60-8  | diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide         |                    |           |                                     |          |        |
|             | Acute algae toxicity                                    | ErC50 >2,01 mg/l   | 72 h      | Pseudokirchneriella subcapitata     |          |        |
|             | Acute crustacea toxicity                                | EC50 3,53 mg/l     | 48 h      | Daphnia magna (Big water flea)      |          |        |
|             | Acute bacteria toxicity                                 | (EC50 >1000 mg/l)  | 3 h       | Activated sludge                    |          |        |
| 162881-26-7 | phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide      |                    |           |                                     |          |        |
|             | Acute fish toxicity                                     | LC50 >0,09 mg/l    | 96 h      | Danio rerio (zebrafish)             | OECD 203 |        |
|             | Acute algae toxicity                                    | ErC50 >0,26 mg/l   | 72 h      | Desmodesmus subspicatus             | OECD 201 |        |
|             | Acute crustacea toxicity                                | EC50 >1,175 mg/l   | 48 h      | Daphnia magna (Big water flea)      | OECD 202 |        |
|             | Crustacea toxicity                                      | NOEC >0,008 mg/l   | 21 d      | Daphnia magna (Big water flea)      | OECD 211 |        |
|             | Acute bacteria toxicity                                 | (EC50 >100 mg/l)   | 3 h       | OECD 209                            |          |        |

### 12.2. Persistence and degradability

The product has not been tested.

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| CAS No      | Chemical name   | Method                                      | Value | d  | Source |
|-------------|---|---|-------|----|--------|
|             |   | Evaluation                                  |       |    |        |
| 66492-51-1  | 2-Propenoic acid, (5-ethyl-1,3-dioxan-5-yl)methyl ester | Evidence for inherent biodegradability.     | 28%   | 28 |        |
| 75980-60-8  | diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide         |   | 0-10% | 28 |        |
|             | Not readily biodegradable (according to OECD criteria)  |   |       |    |        |
| 162881-26-7 | phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide      | CO2 formation (% of the theoretical value). | 1%    | 29 |        |
|             | Not readily biodegradable (according to OECD criteria)  |   |       |    |        |

#### 12.3. Bioaccumulative potential

The product has not been tested.

#### Partition coefficient n-octanol/water

| CAS No      | Chemical name   | Log Pow |
|-------------|---|---------|
| 66492-51-1  | 2-Propenoic acid, (5-ethyl-1,3-dioxan-5-yl)methyl ester | 1,9     |
| 75980-60-8  | diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide         | 3,1     |
| 162881-26-7 | phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide      | 5,8     |

#### BCF

| CAS No      | Chemical name                                      | BCF   | Species                       | Source   |
|-------------|--|-------|-------------------------------|----------|
| 75980-60-8  | diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide    | 47-55 | Cyprinus carpio (Common Carp) |          |
| 162881-26-7 | phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide | <5    | Cyprinus carpio (Common Carp) | OECD 305 |

#### 12.4. Mobility in soil

The product has not been tested.

#### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

Not identified as PBT/ vPvB substances

#### 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

#### 12.7. Other adverse effects

No information available.

#### Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Disposal recommendations

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

##### Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

### SECTION 14: Transport information



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#### Land transport (ADR/RID)

|  |  |
|--|--|
| <b>14.1. UN number or ID number:</b>     | No dangerous good in sense of this transport regulation. |
| <b>14.2. UN proper shipping name:</b>    | No dangerous good in sense of this transport regulation. |
| <b>14.3. Transport hazard class(es):</b> | No dangerous good in sense of this transport regulation. |
| <b>14.4. Packing group:</b>              | No dangerous good in sense of this transport regulation. |

#### Inland waterways transport (ADN)

|  |  |
|--|--|
| <b>14.1. UN number or ID number:</b>     | No dangerous good in sense of this transport regulation. |
| <b>14.2. UN proper shipping name:</b>    | No dangerous good in sense of this transport regulation. |
| <b>14.3. Transport hazard class(es):</b> | No dangerous good in sense of this transport regulation. |
| <b>14.4. Packing group:</b>              | No dangerous good in sense of this transport regulation. |

#### Marine transport (IMDG)

|  |  |
|--|--|
| <b>14.1. UN number or ID number:</b>     | No dangerous good in sense of this transport regulation. |
| <b>14.2. UN proper shipping name:</b>    | No dangerous good in sense of this transport regulation. |
| <b>14.3. Transport hazard class(es):</b> | No dangerous good in sense of this transport regulation. |
| <b>14.4. Packing group:</b>              | No dangerous good in sense of this transport regulation. |

#### Air transport (ICAO-TI/IATA-DGR)

|  |  |
|--|--|
| <b>14.1. UN number or ID number:</b>     | No dangerous good in sense of this transport regulation. |
| <b>14.2. UN proper shipping name:</b>    | No dangerous good in sense of this transport regulation. |
| <b>14.3. Transport hazard class(es):</b> | No dangerous good in sense of this transport regulation. |
| <b>14.4. Packing group:</b>              | No dangerous good in sense of this transport regulation. |

#### 14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

#### 14.7. Maritime transport in bulk according to IMO instruments

No dangerous good in sense of this transport regulation.

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 75

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

##### National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D): 3 - highly hazardous to water

Skin resorption/Sensitization: Causes allergic hypersensitivity reactions.

#### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

### SECTION 16: Other information

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#### Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service  
LC50: Lethal concentration, 50%  
LD50: Lethal dose, 50%  
CLP: Classification, labelling and Packaging  
REACH: Registration, Evaluation and Authorization of Chemicals  
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals  
UN: United Nations  
DNEL: Derived No Effect Level  
DMEL: Derived Minimal Effect Level  
PNEC: Predicted No Effect Concentration  
ATE: Acute toxicity estimate  
LL50: Lethal loading, 50%  
EL50: Effect loading, 50%  
EC50: Effective Concentration 50%  
ErC50: Effective Concentration 50%, growth rate  
NOEC: No Observed Effect Concentration  
BCF: Bio-concentration factor  
PBT: persistent, bioaccumulative, toxic  
vPvB: very persistent, very bioaccumulative  
RID: Regulations concerning the international carriage of dangerous goods by rail  
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)  
EmS: Emergency Schedules  
MFAG: Medical First Aid Guide  
ICAO: International Civil Aviation Organization  
MARPOL: International Convention for the Prevention of Marine Pollution from Ships  
IBC: Intermediate Bulk Container  
VOC: Volatile Organic Compounds  
SVHC: Substance of Very High Concern  
For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>  
Skin Irrit: Skin irritation  
Eye Irrit: Eye irritation  
Skin Sens: Skin sensitisation  
Repr: Reproductive toxicity  
Aquatic Chronic: Chronic aquatic hazard

#### Classification for mixtures and used evaluation method according to GB CLP Regulation

| Classification          | Classification procedure |
|-------------------------|--------------------------|
| Skin Irrit. 2; H315     |                          |
| Eye Irrit. 2; H319      |                          |
| Skin Sens. 1; H317      | Calculation method       |
| Aquatic Chronic 3; H412 | Calculation method       |

#### Relevant H and EUH statements (number and full text)

H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.

## Safety Data Sheet

according to UK REACH Regulation

### freeprint® tray 385 2.0

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|      |   |
|------|---|
| H335 | May cause respiratory irritation.                       |
| H361 | Suspected of damaging fertility or the unborn child.    |
| H411 | Toxic to aquatic life with long lasting effects.        |
| H412 | Harmful to aquatic life with long lasting effects.      |
| H413 | May cause long lasting harmful effects to aquatic life. |

#### Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*