

## FilRight Engineering ASA

### Section 1: Identification of the substance/mixture and of the company

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#### 1.1 Product identifier

Trade name: FilRight Engineering ASA

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

General use: Polymer for 3D printing applications

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

Company name: FilRight  
Street/POB-No.: Galvanibaan 2  
Postal Code, city: 3439 MG Nieuwegein  
The Netherlands  
www: www.filright.com  
E-mail: info@filright.com.com  
Telephone: +31 (0) 20 721 72

#### Emergency telephone number

Telephone: +31 (0) 20 721 72

### Section 2: Hazards identification

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#### 2.1 Classification of the substance or mixture

##### Classification according to EC regulation 1272/2008 (CLP)

This mixture is classified as not hazardous.

##### Classification according to Directive 67/548/EEC or 1999/45/EC

This preparation is classified as not hazardous.

#### 2.2 Label elements

##### Labelling (CLP)

Hazard statements: not applicable

Safety precautions: not applicable

##### Labelling (67/548/EEC or 1999/45/EC)

phrase(s): not applicable

phrase(s): not applicable

#### 2.3 Other hazards

Dust: Can cause skin, eye and respiratory tract irritation.

Fine dust: Explosive

The melted product can cause severe burns.

Swallowing may cause gastrointestinal irritation and pain of guts.

### Section 3: Composition / information on ingredients

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**3.1 Substances:** not applicable

**3.2 Mixtures**

None of the substances, named in the Candidate list art. 59 (1,10)  
of the REACH regulation EC no. 1907/2006 has been used in a concentration > 0,1%

### Section 4: First aid measures

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**4.1 Description of first aid measures**

General information: Seek medical advice when feeling unwell. Immediately remove any contaminated clothing, shoes or stockings.

After inhalation: Provide fresh air.

In case of skin contact: The melted product can cause severe burns. Do not attempt to remove molten product, or molten product that has cooled, from skin without medical assistance. After contact with molten product, cool skin area rapidly with cold water. Consult physician.

After eye contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Consult an eye specialist in the event of irritation.

After swallowing: Rinse mouth with water. Drink one or two glasses of water.  
Never give an unconscious person anything through the mouth.  
seek medical attention

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

Dust: Skin irritation, eye irritations and redness

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

Treat symptomatically.

### Section 5: Firefighting measures

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**5.1 Extinguishing media**

Suitable extinguishing media:

Water fog, foam, extinguishing powder, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

High power water jet

**5.2 Special hazards arising from the substance or mixture**

In case of fire may be liberated: hydrogen cyanide, carbon monoxide and carbon dioxide (CO<sub>2</sub>). In case of dust (Fine dust): danger of dust explosion

**5.3 Advice for firefighters**

Special protective equipment for firefighters:

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

Additional information: Hazchem-Code: -

Do not allow fire water to penetrate into surface or ground water. Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.

**Section 6: accidental release measures**

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**6.1 Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation.

Wear personal protection equipment. Do not breathe dust.

**6.2 Environmental precautions**

Do not allow to penetrate into soil, waterbodies or drains.

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

Avoid generation of dust. Remove all sources of ignition.

Take up mechanically. Collect in closed containers for disposal.

Additional information: Special danger of slipping by leaking/spilling product.

**Section 7: Handling and storage**

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**7.1 Precautions for safe handling**

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Do not breathe dust.

In the case of the formation of dust: Withdraw by suction.

Molten material: Avoid contact with the substance.

Precautions against fire and explosion:

Take precautionary measures against static discharge. Keep away from sources of ignition. Use grounding equipment. Use explosion-proof equipment and non-sparking tools/utensils.

Avoid open flames.

Dust forms explosive mixtures with air.

**7.2 Conditions for safe storage, including any incompatibilities**

Requirements for storerooms and containers:

Store in a well-ventilated place. Keep container tightly closed.

Protect against heat /sun rays. Protect from moisture contamination.

Storage class:

11 = Combustible solids

**7.3 Specific end use(s)**

No information available.

## Section 8: Exposure controls/personal protection

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### 8.1 Control parameters

Dnel: Dnel/Dmel- values n.a.

PNEC: PNEC\_values n.a.

### 8.2 Exposure controls

Engineering measures

Provide ventilation while printing.

## Section 9: Physical and chemical properties

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### 9.1 Information on basic physical and chemical properties

Appearance:	Physical state: solid: pellets Colour: natural colours (whitish)
Odour:	Neutral
Odour threshold:	No data available
pH value:	No data available
Melting point/melting range:	140~170 °C
Boiling temperature/boiling range:	No data available
Flash point/flash point range:	> 400 °C
Vapourisation rate:	No data available
Flammability:	Not highly flammable.
Explosive properties:	Dust explosion risk at fine dust
Explosion limits:	No data available
Vapour pressure:	No data available
Vapour density:	No data available
Water solubility:	insoluble
Partition coefficient n-octanol/water:	No data available
Autoflammability:	not self-igniting
Thermal decomposition:	>280 °C To avoid thermal decomposition, do not overheat.
Viscosity, dynamic:	No data available
Explosive properties:	No data available
Oxidizing characteristics:	No data available

## Section 10: Stability and reactivity

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### 10.1 Reactivity

Non-reactive under normal conditions.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

Not known

### 10.4 Conditions to avoid

Protect from excessive heat. Keep away from sources of ignition and heat. Avoid dust formation.

### 10.5 Incompatible materials

Strong oxidizing agents

### 10.6 Hazardous decomposition products

In case of fire may be liberated: hydrogen cyanide, carbon monoxide and carbon dioxide (CO<sub>2</sub>).

## Section 11. Toxicological information

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### 11.1 Information on toxicological effects

Toxicological effects: Acute toxicity (oral): Lack of data.  
Acute toxicity (dermal): Lack of data.  
Acute toxicity (inhalative): Lack of data.  
Skin corrosion/irritation: Not irritating.  
Eye damage/irritation: Lack of data. May cause irritations.  
Sensitisation to the respiratory tract: Lack of data. Not to be expected  
Skin sensitisation: Lack of data. Not to be expected  
Germ cell mutagenicity/Genotoxicity: Lack of data. Not to be expected  
Carcinogenicity: Lack of data. Not to be expected Reproductive toxicity: Lack of data. Not to be expected Effects on or via lactation: Lack of data.  
Specific target organ toxicity (single exposure): Lack of data. Dusts: Irritating to eyes, respiratory system and skin.  
Specific target organ toxicity (repeated exposure): Lack of data.  
Aspiration hazard: Lack of data.

## Section 12: Ecological information

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### 12.1 Toxicity

No data available

### 12.2. Persistence and degradability

Difficult to degrade.

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

No data available

### 12.6 Other adverse effects

No data available

## Section 13: Disposal considerations

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### 13.1 Waste treatment methods

#### Contaminated packaging

Recommendation: Dispose of waste according to applicable legislation. Non-contaminated packages may be recycled.

## Section 14: Transport information

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### 14.1 UN number

Not regulated as a hazardous material.

### 14.2 UN proper shipping name

not applicable

### 14.3 Transport hazard class(es)

not applicable

### 14.4 Packing group

not applicable

### 14.5 Environmental hazards

No data available

**14.6 Special precautions for user**

No data available

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

No data available

**Section 15: Regulatory information**

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

EU regulation (EC) 1907/2006 (Reach) ANNEX XVII (restrictions) Not applicable.

**15.2 Chemical Safety Assessment**

For this substance a chemical safety assessment is not carried out.

**Section 16: Other information**

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**Further information**

Department issuing data sheet

Contact person: see section 1: Dept. responsible for information

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision.

It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.