



According to Regulation (EC) No 1907/2006

## 1. Identification of the substance/mixture and of the company/undertaking

<b>1.1. Product identifier</b>	Zfx™ PMMA splint
<b>1.2. Relevant identified uses of the substance or mixture and uses advised against</b>	<p><b>Use of the substance/mixture</b>                  Zfx™ PMMA splint are transparent dental milling blanks out of PMMA for the manufacture of splints, therapeutic splints, bite regulators and drilling templates for long-term application in the oral cavity up to 12 months.</p> <p><b>Uses advised against</b>                  No information available.</p>
<b>1.3. Details of the supplier of the safety data sheet</b>	<p>Company name: Zfx GmbH                  Street: Kopernikusstr. 15                  Place: D-85221 Dachau                  Telephone: 08131 - 332 440                  Fax: 08131 - 332 44 10                  e-mail: info@zfx-dental.com                  Contact person: Oliver Hill, Andreas Geier                  Internet: www.zfx-dental.com</p>
<b>1.4. Emergency telephone number:</b>	<p>+49 (0) 8131 - 332 440</p> <p><b>Further information</b>                  No information available.</p>

## 2. Hazards identification

<b>2.1. Classification of the substance or mixture</b>	<p><b>Regulation (EC) No. 1272/2008</b>                  This mixture is not classified as hazardous according to Regulation (EC) No. 1272/2008.</p>
<b>2.2. Label elements</b>	-
<b>2.3. Other hazards</b>	No information available.

## 3. Composition/information on ingredients

<b>3.1. Mixtures</b>	<p><b>Chemical characterization</b>                  No information available.</p> <p><b>Further information</b>                  No information available.</p>
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## 4. First aid measures

<b>4.1. Description of first aid measures</b>	<p><b>After inhalation</b>                  Remove person to fresh air and keep comfortable for breathing. In case of respiratory tract irritation, consult a physician.</p> <p><b>After contact with skin</b>                  After contact with skin, wash immediately with plenty of water and soap. If skin irritation occurs: Get medical advice/attention.</p> <p><b>After contact with eyes</b>                  Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.</p> <p><b>After ingestion</b>                  IF SWALLOWED: Call a doctor if you feel unwell.</p>
<b>4.2. Most important symptoms and effects, both acute and delayed</b>	No information available.
<b>4.3. Indication of any immediate medical attention and special treatment needed</b>	No information available.

## 5. Firefighting measures

<b>5.1. Extinguishing media</b>	<p><b>Suitable extinguishing media</b>                  Dry extinguishing powder. Carbon dioxide (CO<sub>2</sub>). Alcohol resistant foam. Water spray jet</p> <p><b>Unsuitable extinguishing media</b>                  High power water jet</p>
<b>5.2. Special hazards arising from the substance or mixture</b>	In case of fire may be liberated: Gases/vapours, irritant: Methyl acrylate, Methyl methacrylate Do not inhale explosion and combustion gases.
<b>5.3. Advice for firefighters</b>	Co-ordinate fire-fighting measures to the fire surroundings. In case of fire: Wear self-contained breathing apparatus. <b>Additional information</b> Do not allow run-off from fire-fighting to enter drains or water courses.

## 6. Accidental release measures

<b>6.1. Personal precautions, protective equipment and emergency procedures</b>	Use personal protection equipment.
<b>6.2. Environmental precautions</b>	Do not allow to enter into surface water or drains.
<b>6.3. Methods and material for containment and cleaning up</b>	Take up mechanically. Avoid dust formation. Collect in closed and suitable containers for disposal.
<b>6.4. Reference to other sections</b>	See protective measures under point 7 and 8. Disposal: see section 13



## 7. Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

See section 8.

#### Advice on protection against fire and explosion

No special fire protection measures are necessary.

#### Further information on handling

Avoid dust formation. Protect from moisture. Provide adequate ventilation as well as local exhaust at critical locations. To follow: Occupational exposure limit values

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

#### Requirements for storage rooms and vessels

Keep/Store only in original container.

#### Advice on storage compatibility

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

#### Further information on storage conditions

Keep away from: Frost, Heat

Handle with care - avoid bumps, friction and impact.

### 7.3. Specific end use(s)

Observe instructions for use.

## 8. Exposure controls/personal protection

### 8.1. Control parameters

### 8.2. Exposure controls

#### Appropriate engineering controls

Technical ventilation of workplace

#### Protective and hygiene measures

Work in well-ventilated zones or use proper respiratory protection.

Only wear fitting, comfortable and clean protective clothing.

Wash hands before breaks and after work.

Separate storage of work clothes.

#### Eye/face protection

Suitable eye protection:

Eye glasses with side protection

goggles

#### Hand protection

Suitable gloves type:

NBR (Nitrile rubber) DIN EN 374,

Butyl caoutchouc (butyl rubber) DIN EN 374,

PVC (Polyvinyl chloride) Thickness of the glove material: >0,5 mm

Wear cotton undermitten if possible.

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

#### Skin protection

Protective clothing.

#### Respiratory protection

Particle filter device (DIN EN 143)



## 9. Physical and chemical properties

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

Physical state:	solid
Colour:	-
Odour:	odourless
<b>Test methode</b>	
pH-Value:	not applicable
<b>Changes in physical state</b>	
Melting point:	not determined
Initial boiling point and boiling range:	not determined
Sublimation point:	not determined
Softening point:	not determined
Pour point:	not determined
Flash point:	not applicable
<b>Flammability</b>	
Solid:	not applicable
Gas:	not applicable
<b>Explosive properties</b>	
not explosive according to EU A. 14	
Lower explosion limits:	not applicable
Upper explosion limits:	not applicable
<b>Auto-ignition temperature</b>	
Solid:	not determined
Gas:	not determined
Decomposition temperature:	not determined
<b>Oxidizing properties</b>	
Not oxidizing.	
Vapour pressure:	not determined
Density:	not determined
Water solubility:	insoluble
<b>Solubility in other solvents</b>	
No information available.	
Partition coefficient:	not applicable
Viscosity / dynamic:	not determined
Vapour density:	not determined
Evaporation rate:	not determined
<b>9.2. Other information</b>	No information available.



## 10. Stability and reactivity

<b>10.1. Reactivity</b>	No information available.
<b>10.2. Chemical stability</b>	No information available.
<b>10.3. Possibility of hazardous reactions</b>	In case of fire may be liberated: Gases/vapours, harmful
<b>10.4. Conditions to avoid</b>	No information available.
<b>10.5. Incompatible materials</b>	No information available.
<b>10.6. Hazardous decomposition products</b>	Carbon dioxide (CO <sub>2</sub> ), CO

## 11. Toxicological information

<b>11.1. Information on toxicological effects</b>	<p><b>Toxicokinetics, metabolism and distribution</b>                  No information available.</p> <p><b>Acute toxicity</b>                  Based on available data, the classification criteria are not met.</p> <p><b>Irritation and corrosivity</b>                  Based on available data, the classification criteria are not met.</p> <p><b>Sensitising effects</b>                  Based on available data, the classification criteria are not met.</p> <p><b>Carcinogenic/mutagenic/toxic effects for reproduction</b>                  Based on available data, the classification criteria are not met.</p> <p><b>STOT-single exposure</b>                  Based on available data, the classification criteria are not met.</p> <p><b>STOT-repeated exposure</b>                  Based on available data, the classification criteria are not met.</p> <p><b>Aspiration hazard</b>                  Based on available data, the classification criteria are not met.</p>
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## 12. Ecological information

<b>12.1. Toxicity</b>	No information available.
<b>12.2. Persistence and degradability</b>	The product is: Not readily biodegradable (according to OECD criteria)
<b>12.3. Bioaccumulative potential</b>	No information available.
<b>12.4. Mobility in soil</b>	No information available.
<b>12.5. Results of PBT and vPvB assessment</b>	The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.
<b>12.6. Other adverse effects</b>	No information available.



## 13. Disposal considerations

<b>13.1. Waste treatment methods</b>	<p><b>Advice on disposal</b>                  Dispose of waste according to applicable legislation.</p> <p><b>Contaminated packaging</b>                  Dispose of waste according to applicable legislation. Non-contaminated packages may be recycled.</p>
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## 14. Transport information

### Land transport (ADR/RID)

<b>14.1. UN 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:</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:</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)

<b>14.1. UN 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.

<b>14.5. Environmental hazards</b>	ENVIRONMENTALLY HAZARDOUS: no.
<b>14.6. Special precautions for user</b>	No dangerous good in sense of this transport regulation.
<b>14.7. Transport in bulk according to Annex II of Marpol and the IBC Code</b>	No dangerous good in sense of this transport regulation.



## 15. Regulatory information

<b>15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	<b>National regulatory information</b> Water contaminating class (D): not water contaminating
<b>15.2. Chemical safety assessment</b>	Chemical safety assessments for substances in this mixture were not carried out.

## 16. Other information

### 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 )  
 RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer  
 (Regulations Concerning the International Transport of Dangerous Goods by Rail )  
 IMDG: International Maritime Code for Dangerous Goods  
 IATA: International Air Transport Association  
 IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)  
 ICAO: International Civil Aviation Organization  
 ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
 CLP: Regulation on Classification, Labelling and Packaging of Substances and Mixtures,  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 EC50: Effectice concentration, 50 percent  
 DNEL: Derived No Effect Level  
 PNEC: Predicted No Effect Concentration  
 PBT: Persistent, Bioaccumulative and Toxic  
 vPvB: very Persistent and very Bioaccumulative

### Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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