

# SAFETY DATA SHEET

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

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## TPU 4073

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

#### 1.1. Product identifier

**Trade name/designation:**

TPU 4073

#### Additional information:

This safety data sheet is according to Regulation (EC) No. 1907/2006 (REACH) including amending Regulation (EC) No. 2015/830

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

**Use of the substance/mixture:**

Thermoplastic adhesive

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

**Supplier (manufacturer/importer/only representative/downstream user/distributor):**

**Fixatti NV**

Venecoweg 23

BE-9810 Nazareth

**Telephone:** +32 9 381 09 90

**Telefax:** +32 9 381 09 80

**E-mail:** info@fixatti.com

Notfallauskunft: +32 9 381 09 90

#### 1.4. Emergency telephone number

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008 [CLP]:**

The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

#### 2.2. Label elements

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

According to EC directives or the corresponding national regulations the product does not have to be labelled.

**Hazard components for labelling:**

According to EC directives or the corresponding national regulations the product does not have to be labelled.

**Hazard statements:** -

**Supplemental hazard information:** -

**Precautionary statements:** -

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

According to EC directives or the corresponding national regulations the product does not have to be labelled.

#### 2.3. Other hazards

**Other adverse effects:**

No risks worthy of mention.

### SECTION 3: Composition / information on ingredients

#### 3.1. Substances

**Description:**

Polyurethane

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

**Following inhalation:**

In case of respiratory tract irritation, consult a physician.

**In case of skin contact:**

After contact with molten product, cool skin area rapidly with cold water.

**After eye contact:**

Rinse immediately carefully and thoroughly with eye-bath or water.

**Following ingestion:**

Rinse mouth. Get medical advice/attention.

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

Refer to chapter 11.

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

-

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media:**

Extinguishing powder Water spray Carbon dioxide (CO<sub>2</sub>)

**Unsuitable extinguishing media:**

Full water jet

#### 5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Nitrogen oxides (NO<sub>x</sub>) Carbon dioxide (CO<sub>2</sub>) Carbon monoxide

#### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

**Personal precautions:**

Avoid dust formation. Wear personal protection equipment.

##### 6.1.2. For emergency responders

No data available

#### 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 cleaning up:**

Take up dust-free and set down dust-free.

#### 6.4. Reference to other sections

No data available

#### 6.5. Additional information

See section 8.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Protective measures**

**Advices on safe handling:**

If handled uncovered, arrangements with local exhaust ventilation should be used if possible. Avoid dust formation.

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### Fire prevent measures:

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Explosive dust-air mixtures may form.

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

#### Requirements for storage rooms and vessels:

Store in a cool dry place. Keep away from heat.

**Storage class:** 11 - Combustible solids that cannot be assigned to any of the above storage classes

### 7.3. Specific end use(s)

#### Recommendation:

refer to chapter 1.1.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

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:

Tightly sealed safety glasses.

##### Skin protection:

Hand protection: Wear suitable gloves.

##### Respiratory protection:

dust formation Half-mask with filter according to EN 149.

##### Other protection measures:

Protective clothing: Wear antistatic work clothing.

#### 8.2.3. Environmental exposure controls

No data available

### 8.3. Additional information

A: respirable fraction, Limit value: 1.25 mg/m<sup>3</sup>

E: inhalable fraction, Limit value: 10 mg/m<sup>3</sup>

## SECTION 9: Physical and chemical properties

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

#### Appearance

**Physical state:** Powder

**Colour:** white

**Odour:** characteristic

#### Safety relevant basis data

parameter		at °C	Method	Remark
pH	not determined			
Melting point	110 - 120 °C		DSC	
Freezing point	not determined			
Initial boiling point and boiling range	not determined			
Decomposition temperature	not determined			
Flash point	not determined			
Evaporation rate	not determined			
Auto-ignition temperature	> 350 °C			
Upper/lower flammability or explosive limits	not determined			
Vapour pressure	not determined			

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parameter		at °C	Method	Remark
Vapour density	<i>not determined</i>			
Density	> 1 g/cm <sup>3</sup>	20 °C		
Bulk density	<i>not determined</i>			
Water solubility	<i>not determined</i>			
Partition coefficient: n-octanol/ water	<i>not determined</i>			
Dynamic viscosity	<i>not determined</i>			
Kinematic viscosity	<i>not determined</i>			

### 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

The product is considered stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No hazardous reactions if stored and handled as prescribed.

### 10.4. Conditions to avoid

Only use the material in places where open light, fire and other flammable sources can be kept away.

### 10.5. Incompatible materials

Humidity

### 10.6. Hazardous decomposition products

No decomposition if handled as prescribed. Thermal decomposition can lead to the escape of irritating gases and vapours.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute oral toxicity:

Non toxic.

#### Acute dermal toxicity:

Non toxic.

#### Acute inhalation toxicity:

Non toxic.

#### Skin corrosion/irritation:

Non toxic.

#### Serious eye damage/irritation:

Non toxic.

#### Respiratory or skin sensitisation:

Non toxic.

#### Germ cell mutagenicity:

Non toxic.

#### Carcinogenicity:

Non toxic.

#### Reproductive toxicity:

Non toxic.

#### STOT-single exposure:

Non toxic.

#### STOT-repeated exposure:

Non toxic.

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### Aspiration hazard:

Non toxic.

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Aquatic toxicity:

Non toxic.

#### Sediment toxicity:

Non toxic.

#### Terrestrial toxicity:

Non toxic.

#### Effects in sewage plants:

Non toxic.

#### Assessment/classification:

Non toxic.

#### Additional ecotoxicological information:

Non toxic.

### 12.2. Persistence and degradability

#### Abiotic degradation:

According to experiences this product is inert and not degradable

#### Biodegradation:

According to experiences this product is inert and not degradable

#### Additional information:

Further ecological information: According to experiences this product is inert and not degradable.

### 12.3. Bioaccumulative potential

#### Bioconcentration factor (BCF):

No BCF

#### Accumulation / Evaluation:

No indication of bioaccumulation potential.

### 12.4. Mobility in soil

not applicable

### 12.5. Results of PBT and vPvB assessment

No PBT/vPvB

### 12.6. Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Can be incinerated together with household waste in compliance with applicable technical regulations following consultation with approved waste disposal management companies and authorities in charge.

## SECTION 14: Transport information

No dangerous good in sense of these transport regulations.

Land transport (ADR/ RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO- TI / IATA-DGR)
<b>14.1. UN-No.</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.

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Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
<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			
<b>14.4. Packing group</b>			
not relevant			
<b>14.5. Environmental hazards</b>			
not relevant			
<b>14.6. Special precautions for user</b>			
not relevant			

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not regulated.

## 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

##### [US] National regulations

#### Other regulations, restrictions and prohibition regulations

Substance/product listed in the following inventories: TSCA

HMIS Ratings:

Health: 1

Flammability: 1

Physical hazard: 0

Personal protection: X

### 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

No data available

### 16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

#### Classification according to Regulation (EC) No 1272/2008 [CLP]:

The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

### 16.5. Relevant R-, H- and EUH-phrases (Number and full text)

No data available

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### 16.6. Training advice

No data available

### 16.7. Additional information

No data available