

## RAKU-TOOL SB-0470

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

#### 1.1. Product identifier

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

##### Use of the substance/mixture

model building material

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

Company name:	RAMPF Tooling Solutions GmbH & Co. KG	
Street:	Robert-Bosch-Str. 8-10	
Place:	D-72661 Grafenberg	
Telephone:	+49(0)7123-9342-1600	Telefax: +49(0)7123/93421666
e-mail:	tooling.solutions@rampf-gruppe.de	
Responsible Department:	laboratory	

### SECTION 2: Hazards identification

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

##### Regulation (EC) No. 1272/2008

This substance is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

When milling: Risk of dust explosion.

#### 2.2. Label elements

##### Additional advice on labelling

As an article the product does not need to be labelled in accordance with EC-directives or respective national laws.

The present document is a voluntary product information according to the format of a safety data sheet.

#### 2.3. Other hazards

None known

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

##### Chemical characterization

Reactionproduct based on polyurethane

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### After inhalation

Dust: Take affected person into fresh air.

##### After contact with skin

No special measures necessary if used correctly.

##### After contact with eyes

Dust: In case of contact with eyes rinse thoroughly with water. If eye irritation persists, consult a specialist.

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

no data available

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

no data available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

Any extinguishing means and measures are acceptable. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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

Nitrogen oxides (NO<sub>x</sub>), Carbon monoxide and carbon dioxide.

Under certain fire conditions traces of other toxic substances, such as hydrocyanic acid, cannot be excluded.

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

Wear self-contained breathing apparatus and protective suit.

### **Additional information**

Do not let enter contaminated extinguishing water into the soil, groundwater or surface waters.

## **SECTION 6: Accidental release measures**

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

Dust may form explosive mixture in air. Keep away from sources of ignition - No smoking.

Avoid contact with eyes, skin or mucous membrane.

Do not breathe dust. Ensure adequate ventilation.

### **6.2. Environmental precautions**

No special precautions required.

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

Take up mechanically and collect in suitable container for disposal. Avoid dust formation.

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

No data available.

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

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

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

No special measures necessary if used correctly.

Avoid dust formation. Keep away from sources of ignition - No smoking.

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

Dust may form explosive mixture in air.

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

#### **Requirements for storage rooms and vessels**

No special precautions required.

#### **Advice on storage compatibility**

Keep away from food, drink and animal feeding stuffs.

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

no data available

## **SECTION 8: Exposure controls/personal protection**

### **8.1. Control parameters**

### **8.2. Exposure controls**

#### **Appropriate engineering controls**

No specific precautions necessary.

#### **Protective and hygiene measures**

Dust may form explosive mixture in air. Keep away from sources of ignition - No smoking.

#### **Eye/face protection**

Tightly fitting goggles (EN 166)

#### **Hand protection**

Protective-gloves (dust-resistant)

#### **Skin protection**

Light protective clothing, Safety footwear (EN 345)

#### **Respiratory protection**

In case of dust formation wear micro dust mask.


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**SECTION 9: Physical and chemical properties**
**9.1. Information on basic physical and chemical properties**

Physical state:	Solid
Colour:	Apricot
Odour:	Odourless

**Test method**

pH-Value:	n.a.
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**Changes in the physical state**

Flash point:	> 200 °C
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Vapour pressure: (at 20 °C)	n.a.
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Density (at 20 °C):	~ 0,47 g/cm <sup>3</sup> ISO 1183
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Water solubility:	Insoluble
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**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 special precautions required.

To avoid thermal decomposition, do not overheat. (&gt; 200°C)

**10.5. Incompatible materials**

No special precautions required.

**10.6. Hazardous decomposition products**
Nitrogen oxides (NO<sub>x</sub>), Carbon monoxide and carbon dioxide.

Under certain fire conditions traces of other toxic substances, such as hydrocyanic acid, cannot be excluded.

**SECTION 11: Toxicological information**
**11.1. Information on toxicological effects**
**Acute toxicity**

No toxic dates available.

**Irritation and corrosivity**

Dust particles, like other inert materials, are mechanically irritating the eyes.

**Sensitising effects**

no data available

**Carcinogenic/mutagenic/toxic effects for reproduction**

no data available

**STOT-single exposure**

no data available

**STOT-repeated exposure**

no data available

**Aspiration hazard**

no data available

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**SECTION 12: Ecological information**
**12.1. Toxicity**

no data available

**12.2. Persistence and degradability**

Not degradable

**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

**Further information**

Do not flush into surface water or sanitary sewer system.

**SECTION 13: Disposal considerations**
**13.1. Waste treatment methods****Advice on disposal**

Where possible recycling is preferred to disposal.

If recycling is not practicable, dispose of in compliance with local regulations.

**SECTION 14: Transport information**
**Land transport (ADR/RID)****14.1. UN number:**

No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

**14.4. Packing group:**

No dangerous good in sense of this transport regulation.

**Marine transport (IMDG)****14.1. UN number:**

No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

**14.4. Packing group:**

No dangerous good in sense of this transport regulation.

**Air transport (ICAO-TI/IATA-DGR)****14.1. UN number:**

No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

**14.4. Packing group:**

No dangerous good in sense of this transport regulation.

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

**14.6. Special precautions for user**

No dangerous good in sense of this transport regulation.

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

No dangerous good in sense of this transport regulation.

**Other applicable information**

No hazardous material as defined by the transport regulations. (ADR, RID, IMDG, IATA)

**SECTION 15: Regulatory information**

# Safety Data Sheet

according to Regulation (EC) No 1907/2006



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

#### National regulatory information

Water contaminating class (D):                      - - not water contaminating

### SECTION 16: Other information

#### Changes

This data sheet contains changes from the previous version in section(s) 9

#### Further Information

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product (s) and is based on the present level of our knowledge.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.