



## RAKU® TOOL MB-0670

Revision date: 05.12.2022

Product code: MB-0670

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

#### 1.1. Product identifier

RAKU® TOOL MB-0670

#### 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-group.com	
Responsible Department:	laboratory	

### SECTION 2: Hazards identification

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

##### GB CLP Regulation

This substance is not classified as hazardous in accordance with GB CLP Regulation.

When milling: Danger of dust explosion

#### 2.2. Label elements

##### Additional advice on labelling

There is no requirement for the product to be specially labelled according to EC directives or the corresponding national laws.

Voluntary product information following the Safety Data Sheet format

#### 2.3. Other hazards

None known

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

##### Chemical characterization

Reactionproduct based on polyurethane

##### Hazardous components

none (according to UK REACH Regulation)

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### After inhalation

Dust: Provide fresh air.

##### After contact with skin

No special measures necessary if used correctly.

##### After contact with eyes

Dust: Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.

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

There are no data available on the mixture itself.

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

There are no data available on the mixture itself.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media



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### Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

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

In case of fire formation of carbon monoxide, nitrogen oxide, isocyanat vapour and traces of hydrogen cyanide is possible.

### 5.3. Advice for firefighters

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

### Additional information

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

Avoid dust formation.

#### For non-emergency personnel

May form combustible dust concentrations in air. Keep away from sources of ignition - No smoking.

Avoid contact with eyes.

Do not breathe dust. Provide adequate ventilation.

#### For emergency responders

Protective equipment

### 6.2. Environmental precautions

No special measures are necessary.

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

#### For containment

No special measures are necessary.

#### For cleaning up

Take up mechanically, placing in appropriate containers for disposal.

### 6.4. Reference to other sections

none

## 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

May form combustible dust concentrations in air.

#### Advice on general occupational hygiene

May form combustible dust concentrations in air. Keep away from sources of ignition - No smoking.

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

#### Requirements for storage rooms and vessels

No special measures are necessary.

#### Hints on joint storage

Keep away from food, drink and animal feedingstuffs.

### 7.3. Specific end use(s)

No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

### 8.2. Exposure controls

#### Appropriate engineering controls

No special measures are necessary.

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



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### Eye/face protection

Dust protection eye glasses

### Hand protection

Wear protective gloves. (dust-tight)

### Skin protection

Protective clothing., Safety Shoes

### Respiratory protection

In case of dust formation wear micro dust mask.

## SECTION 9: Physical and chemical properties

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

Physical state:	solid	
Colour:	brown	
Odour:	odourless	
Melting point/freezing point:		not applicable
Boiling point or initial boiling point and boiling range:		not applicable
Flammability		
Solid/liquid:		not applicable
Gas:		not applicable
Lower explosion limits:		not applicable
Upper explosion limits:		not applicable
Flash point:		not applicable
Auto-ignition temperature:		not applicable
Decomposition temperature:		not applicable
pH-Value:		not applicable
Viscosity / kinematic:		not applicable
Water solubility:		Insoluble
Solubility in other solvents		
not applicable		
Dissolution rate:		not applicable
Partition coefficient n-octanol/water:		not applicable
Dispersion stability:		not applicable
Vapour pressure:		not applicable
Density (at 20 °C):		~ 0,67 g/cm <sup>3</sup>
Relative vapour density:		not applicable
Particle characteristics:		not applicable

### 9.2. Other information

#### Explosive properties

Product does not present an explosion hazard.

#### Other safety characteristics

No information available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No information available.

### 10.2. Chemical stability

No information available.

### 10.3. Possibility of hazardous reactions

No information available.

### 10.4. Conditions to avoid

No special measures are necessary.

To avoid thermal decomposition, do not overheat. (> 200°C)

### 10.5. Incompatible materials

No special measures are necessary.

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**10.6. Hazardous decomposition products**Nitrogen oxides (NOx), Carbon monoxide, Carbon dioxide (CO<sub>2</sub>)**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in GB CLP Regulation****Acute toxicity**

Toxicological data are not available.

**Irritation and corrosivity**

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

**Sensitising effects**

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

**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.

**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.

**11.2. Information on other hazards****Endocrine disrupting properties**

There are no data available on the mixture itself.

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

No information available.

**12.2. Persistence and degradability**

Not degradable

**12.3. Bioaccumulative potential**

No information available.

**12.4. Mobility in soil**

No information available.

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

This substance does not meet the PBT/vPvB criteria of UK REACH.

**12.6. Endocrine disrupting properties**

This substance does not have endocrine disrupting properties with respect to non-target organisms.

**12.7. Other adverse effects**

No information available.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations**

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 or ID 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 or ID number:**

No dangerous good in sense of this transport regulation.



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- 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 or ID 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. 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

##### Additional information

This product does not contain substances of very high concern > 0,1% (Regulation (EC) No 1907/2006 (REACH), Article 57).

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

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

##### National regulatory information

Water hazard class (D): -- non-hazardous to water

### 15.2. Chemical safety assessment

For this substance a chemical safety assessment is not required.

## SECTION 16: Other information

### Changes

This data sheet contains changes from the previous version in section(s) 6, 9, 15, 16

### Abbreviations and acronyms

UFI: Unique Formula Identifier

DNEL: Derived No-Effect Level

PBT: persistent and bioaccumulative and toxic

vPvB: very persistent, very bioaccumulative

### 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.

Key literature references and sources for data Regulation (EC) No 1907/2006; Regulation (EC) No. 1272/2008