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-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: 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

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

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

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.

6.2. Environmental precautions

No special measures are necessary.

6.3. Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal. Avoid dust formation.

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.

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.

Protective and hygiene measures

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

Eye/face protection

Dust protection eye glasses

Hand protection

Wear suitable 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
pH-Value:	not applicable

Changes in the physical state

Melting point:	not applicable
Initial boiling point and boiling range:	not applicable
Flash point:	not applicable

Flammability

Solid:	not applicable
Gas:	not applicable

Explosive properties

Product does not present an explosion hazard.

Auto-ignition temperature

Solid:	not applicable
Gas:	not applicable
Decomposition temperature:	not applicable

Oxidizing properties

not applicable

Vapour pressure:	not applicable
Density (at 20 °C):	~ 0,67 g/cm³
Water solubility:	Insoluble
Partition coefficient:	not applicable
Viscosity / dynamic:	not applicable
Vapour density:	not applicable
Evaporation rate:	not applicable

9.2. Other information

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.

10.6. Hazardous decomposition products

Nitrogen oxides (NOx), Carbon monoxide, Carbon dioxide (CO2)

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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.

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
No information available.

12.6. Other adverse effects
No information available.

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.

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).

National regulatory information

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

15.2. Chemical safety assessment

For this substance a chemical safety assessment is not required.

SECTION 16: Other information

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