

RAKU-TOOL MB-0720

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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 according to 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 information available

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

No information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Any extinguishing means and measures are acceptable. Fire-extinguishing activities according to surrounding.

5.2. Special hazards arising from the substance or mixture

Nitrogen oxides (NO_x), Carbon monoxide and carbon dioxide.

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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 information 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 information 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) (EN 388)

Skin protection

Light protective clothing, Safety footwear (EN 345)

Respiratory protection

In case of dust formation wear micro dust mask. Half mask with a particle filter P2 (BS EN 143)

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

Physical state:	Solid
Colour:	Brown
Odour:	Odourless

Test method

pH-Value: n.a.

Changes in the physical state

Flash point: > 200 °C

Vapour pressure:
(at 20 °C) n.a.Density (at 20 °C): ~ 0,72 g/cm³

Water solubility: Insoluble

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 precautions required.

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

10.5. Incompatible materials

No special precautions required.

10.6. Hazardous decomposition productsNitrogen oxides (NO_x), 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 information available

Carcinogenic/mutagenic/toxic effects for reproduction

No information available

STOT-single exposure

No information available

STOT-repeated exposure

No information available

Aspiration hazard

No information available

SECTION 12: Ecological information

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12.1. Toxicity

No data 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

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)

- 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

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

National regulatory information

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

Safety Data Sheet

according to Regulation (EC) No 1907/2006



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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.