

MATERIAL SAFETY DATA SHEET

Exakt Polyamid 162-UO

1. Identification of the product and of the company

Product identifier: Bickers Exakt Polyamid 162-UO
Intended use: Hotmelt adhesive
Company / identification: Bickers GmbH
 Leopoldstr. 15
 D-45139 Essen
 Tel. 0049 -201 / 27 25 53
 Fax: 0049 -201 / 27 49 12
Emergency: Bickers GmbH

2. Hazards identification

Classification of the substance or mixture:

Classification (CLP): No data available.
Classification (DPD): No classification required.
Label elements (CLP): No data available.
Label elements (DPD): The product is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EC" as issued in the last version.
 Additional labeling: Safety data sheet available for professional user on request.

3. Composition/information on ingredients

General chemical description: Hotmelt adhesive
Base substances of preparation: Polyamide

Declaration of the ingredients according to CLP (EC) No 1272/2008:

Hazardous components CAS-No.	EC Number REACH-Reg No.	Content	Classification
Bis(4-octylphenyl)amine 101-67-7	202-965-5	1- 2 %	Chronic hazards to the aquatic environment 2H411

Only dangerous ingredients for which a CLP classification is already available are displayed in this table. For full text of the H - statements and other abbreviations see section 16 "Other information". Substances without classification may have community workplace exposure limits available.

Declaration of ingredients according to DPD (EC) No 1999/45:

Hazardous components CAS-No.	EC Number REACH-Reg No.	Content	Classification
Bis(4-octylphenyl)amine 101-67-7	202-965-5	1- 2 %	N – Dangerous for the environment; R51/53

For full text of the R-Phrases indicated by codes see section 16 'Other Information'. Substances without classification may have community workplace exposure limits available.

4. First aid measures

Description of first aid measures:

Inhalation: Move to fresh air, consult doctor if complaint persists.
Skin contact: Molten product. After skin contact cool down immediately with cold water. Do not remove adherent product. Seek medical advice.
Eye contact: After contact with the hot melt: cool with water, seek medical attention.
Ingestion: Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.

Most important symptoms and effects both, acute and delayed:

No data available.

Indication of any immediate medical attention and special treatment needed:

See section: Description of first aid measures

5. Firefighting measures

Extinguishing media:**Suitable extinguishing media:**

All common extinguishing agents are suitable.

Extinguishing media which must not be used for safety reasons:

High pressure waterjet

Special hazards arising from the substance or mixture:

In case of fire toxic gases can be released.

Advice for firefighters:

Wear protective equipment.

Wear self-contained breathing apparatus.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Wear protective equipment.

Environmental precautions:

Do not empty into drains / surface water / ground water.

Methods and material for containment and cleaning up:

Allow to solidify.

Remove mechanically.

Dispose of contaminated material as waste according to Chapter 13.

Reference to other sections:

See advice in chapter 8

7. Handling and storage

Precautions for safe handling:**Hygiene measures:**

Do not eat, drink or smoke while working.

Wash hands before work breaks and after finishing work.

Conditions for safe storage, including any incompatibilities:

Ensure good ventilation/extraction.

Keep only in the original container.

< + 35 °C

Store in a dry place.

Specific end use(s):

Hotmelt adhesive

8. Exposure controls/personal protection

Control parameters:	None
Exposure controls:	
Engineering controls:	Ensure good ventilation/extraction.
Respiratory protection:	Suitable breathing mask when there is inadequate ventilation.
Hand protection:	Wear refractive gloves while working with the hot melt.
Eye protection:	Protective goggles
Skin protection:	Wear protective equipment.
Advices to personal protection equipment:	Use only personal protection that's CE-labelled according to the regulation no. 819 of 19 August 1994.

9. Physical and chemical properties

Information on basic physical and chemical properties:

Appearance	granulate solid amber typical
Odor	
pH	No data available / Not applicable
Initial boiling point	No data available / Not applicable
Flash point	No flash point up to 200 °C
Decomposition temperature	No data available / Not applicable
Vapour pressure	No data available / Not applicable
Density	No data available / Not applicable
Bulk density	No data available / Not applicable
Viscosity	4.000 - 6.000 mPa.s
(Brookfield; 210 °C (410 °F))	
Viscosity (kinematic)	No data available / Not applicable
Explosive properties	No data available / Not applicable
Solubility (qualitative)	Insoluble
(20 °C (68 °F); Solvent: Water)	
Solidification temperature	No data available / Not applicable
Melting point	No data available / Not applicable
Flammability	No data available / Not applicable
Auto-ignition temperature	No data available / Not applicable
Explosive limits	No data available / Not applicable
Partition coefficient: n-octanol/water	No data available / Not applicable
Evaporation rate	No data available / Not applicable
Vapor density	No data available / Not applicable
Oxidising properties	No data available / Not applicable

Other information:

Softening point/range	135 - 145 °C (275 - 293 °F)
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10. Stability and reactivity

Reactivity:	None if used for intended purpose.
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	See section reactivity
Conditions to avoid:	None if used for intended purpose.
Incompatible materials:	None if used properly.
Hazardous decomposition products:	No decomposition if used according to specifications.

Abovementioned instructions, in particular suggestions for the processing and use of our products, are based on our knowledge and experiences under practical conditions. Due to the different materials and conditions of work beyond our influence, we recommend in each case sufficient trials in order to ensure the suitability of our products for the intended procedures and processing purposes. No liability can be originated neither from these informations nor from a verbal consultation, unless we can be held responsible for intent or gross negligence.

Toxicological information

General toxicological information: To the best of our knowledge no harmful effects are to be expected if the product is handled and used properly.

12. Ecological information

General ecological information: Do not empty into drains, soil or bodies of water. The preparation is classified based on the conventional method outlined in Article 6(1) (a) of Directive 1999/45/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

Toxicity:

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Bis(4-octylphenyl)amine 101-67-7	LC50	> 1000 mg/l	Fish	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
Bis(4-octylphenyl)amine 101-67-7	EC50	7,7 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

Persistence and degradability:

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Bis(4-octylphenyl)amine 101-67-7		aerobic	0,00%	

Bioaccumulative potential / Mobility in soil:

Hazardous components CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
Bis(4-octylphenyl)amine 101-67-7	11,26					

13. Disposal considerations

Waste treatment methods:

Product disposal: The valid EEC waste code numbers are not product-related but are largely source-related. These can be requested from the manufacturer.
In consultation with the responsible local authority, must be subjected to special treatment.

Abovementioned instructions, in particular suggestions for the processing and use of our products, are based on our knowledge and experiences under practical conditions. Due to the different materials and conditions of work beyond our influence, we recommend in each case sufficient trials in order to ensure the suitability of our products for the intended procedures and processing purposes. No liability can be originated neither from these informations nor from a verbal consultation, unless we can be held responsible for intent or gross negligence.

14. Transport information**General information:**

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

15. Regulatory information**Safety, health and environmental regulations/legislation specific for the substance or mixture:**VOC content 0,00 %
(VOCV 814.018 VOC regulation CH)**National regulations/information (Germany):**WGK: Not a water-endangering product.
(German VwVwS of July 27, 2005)
Appendix 1/2

Storage class VCI:

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16. Other information

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
H411 Toxic to aquatic life with long lasting effects.

Further information:

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.