

## Aliphatic Polyamide Based Adhesives

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

#### 1.1 Product identifier:

<b>Product name</b>	: Aliphatic Polyamide Based Adhesives
<b>Synonyms</b>	: /42 precoated adhesive; /86 precoated adhesive; DWTC Adhesive Liner; HTAT Adhesive Liner; PTCM; RBK-105; RBK-85; RBK-ILS-125 Adhesive Liner; RBK-MTS; RBK-RTP-125 Adhesive Liner; RBK-VWS-125 Adhesive Liner; RPPM; S1017 adhesive tape; S1048 adhesive tape; S1132; SASR; TECT Adhesive Liner; TSAS
<b>Registration number REACH</b>	: Not applicable (article)
<b>Product type REACH</b>	: Article with substance/mixture as integral part

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

##### 1.2.1 Relevant identified uses

Tape  
Heat-shrinkable tubing  
Adhesive  
Professional use

##### 1.2.2 Uses advised against

No uses advised against known

#### 1.3 Details of the supplier of the Product Safety Information Sheet:

##### Supplier of the Product Safety Information Sheet

TYCO Electronics UK Ltd  
Faraday Road, Dorcan  
SN3 5HH Swindon, United Kingdom  
☎ +44 1793 52 81 71  
✉ +44 1793 57 25 16  
REACH-ADM@te.com

#### 1.4 Emergency telephone number:

24h/24h (Telephone advice: English, French, German, Dutch):  
+32 14 58 45 45 (BIG)

### SECTION 2: Hazards identification

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

##### **2.1.1 Classification according to Regulation EC No 1272/2008**

Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

##### **2.1.2 Classification according to Directive 67/548/EEC-1999/45/EC**

Not classified as dangerous according to the criteria of Directive(s) 67/548/EEC and/or 1999/45/EC

#### 2.2 Label elements:

##### **Labelling according to Regulation EC No 1272/2008 (CLP)**

Labelling does not apply to articles

##### **Labelling according to Directive 67/548/EEC-1999/45/EC (DSD/DPD)**

Labelling does not apply to articles

#### 2.3 Other hazards:

##### **CLP**

Heated product causes burns  
On overheating: irritating to respiratory system  
On overheating: irritating to eyes  
May produce an allergic reaction

##### **DSD/DPD**

Heated product causes burns  
On overheating: irritating to respiratory system

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On overheating: irritating to eyes  
May produce an allergic reaction

## SECTION 3: Composition/information on ingredients

In normal conditions of use, the components cannot be released because of the form in which the article or preparation is placed on the market

## SECTION 4: First aid measures

### 4.1 Description of first aid measures:

#### General:

If you feel unwell, seek medical advice.

#### After inhalation:

Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

#### After skin contact:

Wash immediately with lots of water. Take victim to a doctor if irritation persists. In case of burns: Wash immediately with lots of water (15 minutes)/shower. Remove clothing while washing. Do not tear off solidified product from the skin. Do not remove clothing if it sticks to the skin. Cover wounds with sterile bandage. If burned surface > 10%: take victim to hospital. Consult a doctor/medical service.

#### After eye contact:

Rinse with water. Take victim to an ophthalmologist if irritation persists. In case of burns: Rinse immediately with plenty of water for 15 minutes. Cover eyes aseptically. Take victim to an ophthalmologist.

#### After ingestion:

Consult a doctor/medical service if you feel unwell.

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

#### 4.2.1 Acute symptoms

##### After inhalation:

ON OVERHEATING: Coughing. Irritation of the respiratory tract. Irritation of the nasal mucous membranes. Nausea. Dizziness. Headache.

##### After skin contact:

If molten: burns.

##### After eye contact:

ON OVERHEATING: Irritation of the eye tissue. Lacrimation. Redness of the eye tissue.

##### After ingestion:

No effects known.

#### 4.2.2 Delayed symptoms

No effects known.

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

If applicable and available it will be listed below.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media:

#### 5.1.1 Suitable extinguishing media:

Water spray. Polyvalent foam. ABC powder. Carbon dioxide.

#### 5.1.2 Unsuitable extinguishing media:

Solid water jet ineffective as extinguishing medium.

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

On heating/burning: release of toxic and corrosive gases/vapours e.g.: nitrous vapours, carbon monoxide - carbon dioxide.

### 5.3 Advice for firefighters:

#### 5.3.1 Instructions:

Dilute toxic gases with water spray. Take account of toxic/corrosive precipitation water.

#### 5.3.2 Special protective equipment for fire-fighters:

Gloves. Protective clothing. Heat/fire exposure: compressed air/oxygen apparatus.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures:

No naked flames.

#### 6.1.1 Protective equipment for non-emergency personnel

See heading 8.2

#### 6.1.2 Protective equipment for emergency responders

Gloves. Protective clothing.

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Suitable protective clothing

See heading 8.2

## 6.2 Environmental precautions:

No data available

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

If melted: allow liquid to solidify before taking it up. Start cleanup only if spill has cooled completely. Pick-up the material. Wash clothing and equipment after handling.

## 6.4 Reference to other sections:

See heading 13.

## SECTION 7: Handling and storage

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

### 7.1 Precautions for safe handling:

Stop heating immediately if the product bubbles, chars or shows other signs of degradation. Observe strict hygiene. Do not discharge the waste into the drain.

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

#### 7.2.1 Safe storage requirements:

Storage temperature:  $\leq 25$  °C. Store in a cool area. Store in a dry area. Keep container in a well-ventilated place. Meet the legal requirements.

#### 7.2.2 Keep away from:

Oxidizing agents, (strong) acids, (strong) bases.

#### 7.2.3 Suitable packaging material:

No data available

#### 7.2.4 Non suitable packaging material:

No data available

### 7.3 Specific end use(s):

If applicable and available, exposure scenarios are attached in annex. See information supplied by the manufacturer.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters:

#### 8.1.1 Occupational exposure

##### a) Occupational exposure limit values

If limit values are applicable and available these will be listed below.

##### b) National biological limit values

If limit values are applicable and available these will be listed below.

#### 8.1.2 Sampling methods

If applicable and available it will be listed below.

#### 8.1.3 Applicable limit values when using the substance or mixture as intended

If limit values are applicable and available these will be listed below.

#### 8.1.4 DNEL/PNEC values

If applicable and available it will be listed below.

#### 8.1.5 Control banding

If applicable and available it will be listed below.

### 8.2 Exposure controls:

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

#### 8.2.1 Appropriate engineering controls

Stop heating immediately if the product bubbles, chars or shows other signs of degradation. Carry operations in the open/under local exhaust/ventilation or with respiratory protection.

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

Observe strict hygiene. Do not eat, drink or smoke during work.

##### a) Respiratory protection:

Respiratory protection not required in normal conditions. Insufficient ventilation: wear respiratory protection.

##### b) Hand protection:

Insulated gloves.

##### c) Eye protection:

Safety glasses.

##### d) Skin protection:

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Protective clothing.

## 8.2.3 Environmental exposure controls:

See headings 6.2, 6.3 and 13

## SECTION 9: Physical and chemical properties

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

Physical form	Solid in various shapes
	Tape
Odour	Odourless
Odour threshold	Not applicable
Colour	Variable in colour, depending on the composition
Particle size	Not applicable (article)
Explosion limits	No data available
Flammability	Non-flammable
Log Kow	No data available
Dynamic viscosity	No data available
Kinematic viscosity	No data available
Melting point	60 - 125 °C
Boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
Relative vapour density	Not applicable
Vapour pressure	No data available
Solubility	water ; insoluble
Relative density	0.92 - 1.0
Decomposition temperature	No data available
Auto-ignition temperature	No data available
Explosive properties	No chemical group associated with explosive properties
Oxidising properties	No chemical group associated with oxidising properties
pH	No data available

#### Physical hazards

No physical hazard class

### 9.2 Other information:

No data available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity:

No data available.

### 10.2 Chemical stability:

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions:

No data available.

### 10.4 Conditions to avoid:

Stop heating immediately if the product bubbles, chars or shows other signs of degradation.

### 10.5 Incompatible materials:

Oxidizing agents, (strong) acids, (strong) bases.

### 10.6 Hazardous decomposition products:

On heating/burning: release of toxic and corrosive gases/vapours e.g.: nitrous vapours, carbon monoxide - carbon dioxide.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects:

#### 11.1.1 Test results

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## Acute toxicity

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No (test)data available

## Corrosion/irritation

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No (test)data available

## Respiratory or skin sensitisation

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No (test)data available

## Specific target organ toxicity

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No (test)data available

## Mutagenicity (in vitro)

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No (test)data available

## Mutagenicity (in vivo)

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No (test)data available

## Carcinogenicity

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No (test)data available

## Reproductive toxicity

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No (test)data available

## Toxicity other effects

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No (test)data available

## Chronic effects from short and long-term exposure

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ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Skin rash/inflammation.

## SECTION 12: Ecological information

### 12.1 Toxicity:

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No (test)data available

### Conclusion

No data available on ecotoxicity

### 12.2 Persistence and degradability:

Biodegradability in water: no data available

### 12.3 Bioaccumulative potential:

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#### Log Kow

Method	Remark	Value	Temperature	Value determination
	No data available			

### Conclusion

No bioaccumulation data available

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## 12.4 Mobility in soil:

No (test)data on mobility of the components available

## 12.5 Results of PBT and vPvB assessment:

Due to insufficient data no statement can be made whether the component(s) fulfil(s) the criteria of PBT and vPvB according to Annex XIII of Regulation (EC) No 1907/2006.

## 12.6 Other adverse effects:

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### Global warming potential (GWP)

None of the known components is included in the list of fluorinated greenhouse gases (Regulation (EC) No 842/2006)

### Ozone-depleting potential (ODP)

Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009)

## SECTION 13: Disposal considerations

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

### 13.1 Waste treatment methods:

#### 13.1.1 Provisions relating to waste

Waste material code (Directive 2008/98/EC, Decision 2000/0532/EC).

08 04 99 (wastes from MFSU of adhesives and sealants (including waterproofing products): wastes not otherwise specified). Depending on branch of industry and production process, also other waste codes may be applicable. Can be considered as non hazardous waste according to Directive 2008/98/EC.

#### 13.1.2 Disposal methods

Recycle/reuse. Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber with energy recovery. Remove waste in accordance with local and/or national regulations. Do not discharge into drains or the environment.

#### 13.1.3 Packaging/Container

No data available.

## SECTION 14: Transport information

### Road (ADR)

#### 14.1 UN number:

Transport	Not subject
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#### 14.2 UN proper shipping name:

#### 14.3 Transport hazard class(es):

Hazard identification number	
Class	
Classification code	

#### 14.4 Packing group:

Packing group	
Labels	

#### 14.5 Environmental hazards:

Environmentally hazardous substance mark	no
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#### 14.6 Special precautions for user:

Special provisions	
Limited quantities	

### Rail (RID)

#### 14.1 UN number:

Transport	Not subject
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#### 14.2 UN proper shipping name:

#### 14.3 Transport hazard class(es):

Hazard identification number	
Class	
Classification code	

#### 14.4 Packing group:

Packing group	
Labels	

#### 14.5 Environmental hazards:

Environmentally hazardous substance mark	no
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#### 14.6 Special precautions for user:

Special provisions	
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Limited quantities

## Inland waterways (ADN)

14.1 UN number:

Transport Not subject

14.2 UN proper shipping name:

14.3 Transport hazard class(es):

Class

Classification code

14.4 Packing group:

Packing group

Labels

14.5 Environmental hazards:

Environmentally hazardous substance mark

no

14.6 Special precautions for user:

Special provisions

Limited quantities

## Sea (IMDG/IMSBC)

14.1 UN number:

Transport Not subject

14.2 UN proper shipping name:

14.3 Transport hazard class(es):

Class

14.4 Packing group:

Packing group

Labels

14.5 Environmental hazards:

Marine pollutant

-

Environmentally hazardous substance mark

no

14.6 Special precautions for user:

Special provisions

Limited quantities

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:

Annex II of MARPOL 73/78

## Air (ICAO-TI/IATA-DGR)

14.1 UN number:

Transport Not subject

14.2 UN proper shipping name:

14.3 Transport hazard class(es):

Class

14.4 Packing group:

Packing group

Labels

14.5 Environmental hazards:

Environmentally hazardous substance mark

no

14.6 Special precautions for user:

Special provisions

Passenger and cargo transport: limited quantities: maximum net quantity per packaging

## SECTION 15: Regulatory information

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

#### European legislation:

VOC content Directive 2010/75/EU

VOC content

remarks

No data available

#### National legislation The Netherlands

Waste identification (the Netherlands)

LWCA (the Netherlands): KGA category 03

Waterbezwaarlijkheid

Not applicable (article)

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## National legislation Germany

WGK	Not applicable (article)
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### 15.2 Chemical safety assessment:

No chemical safety assessment is required.

## SECTION 16: Other information

### Full text of any R-phrases referred to under headings 2 and 3:

(\*) = INTERNAL CLASSIFICATION BY BIG

PBT-substances = persistent, bioaccumulative and toxic substances

DSD Dangerous Substance Directive

DPD Dangerous Preparation Directive

CLP (EU-GHS) Classification, labelling and packaging (Globally Harmonised System in Europe)

The information in this Product Safety Information Sheet informs on the properties of certain substances, preparations or mixtures incorporated in the article. The Product Safety Information Sheet offers no quality specification for the substances/preparations/mixtures in question. Compliance with the instructions in this Product Safety Information Sheet does not release the user from the obligation to take all measures dictated by common sense, regulations, the guidelines of the manufacturer and recommendations or which are necessary and/or useful based on the real applicable circumstances. The Product Safety Information Sheet constitutes merely of guidelines and recommendations. The information in this Product safety Information Sheet is based on data and samples provided to BIG. The sheet was written to the best of our ability and according to the state of knowledge at that time. New Product Safety Information Sheets are written from time to time. Only the most recent versions may be used. Old versions must be destroyed. Unless indicated otherwise word for word on the Product Safety Information Sheet, the information does not apply to other, even similar products. BIG does not guarantee the accuracy or exhaustiveness of the information provided and cannot be held liable for any changes by third parties. This Product Safety Information Sheet is only to be used within the European Union, Switzerland, Iceland, Norway and Liechtenstein. Any use outside of this area is at your own risk. Use of this Product Safety Information Sheet is subject to the licence and liability limiting conditions as stated in the agreement between BIG and the manufacturer of this product or when this is failing the general conditions of BIG. All intellectual property rights to this sheet are the property of BIG and its distribution and reproduction are limited. Consult the mentioned agreement/conditions for details.