

Safety Data Sheet according to (EC) No. 1907/2006, Article 31

Revision: 01.05.2014

# Safety Data Sheet

## BELI-ZELL 10min

**AdhesionsTechnics**  
*Klebt einfach besser Simply amazing glue*

### 1. Identification of the substance/preparation and of the company/undertaking

Trade name: BELI-ZELL 10min weiß/white Art-No.: AHT 018  
 BELI-ZELL 10min Art-No.: AHT 019  
 Intended Use: assembly adhesive  
 Company name: AdhesionsTechnics Gregor Kunsemüller  
 Melonenstr.29  
 70619 Stuttgart  
 Germany  
 Emergency information: +49-151-11097700

### 2. Hazards identification

#### Classification of the substance or mixture

Classification according to Directive 67/548/EEC or Directive 1999/45/EC



Xn - Harmful

R36/37/38 Irritating to eyes, respiratory system and skin.  
 Carcinogenic, category 3  
 R40 Limited evidence of carcinogenic effect.  
 Sensitizing  
 R42/43 May cause sensitization by inhalation and skin contact.  
 R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

#### Information concerning particular hazards for human and environment

The product has to be labelled due to the calculation of the "General Classification guideline for preparations of the EU" (Directive 1999/45/EC of the European Parliament on of the Council) in the latest version.

#### Classification system

The classification is in line with current EC lists (Council Directive 67/548/EEC). It is supplemented with information from technical Literature and by information furnished by the supplier.

#### Label elements

##### Labelling according to EU guidelines

The product is classified and labelled in accordance with EC Directives / Chemicals (Hazard, Information and Packaging for Supply) (CHIP) Regulations.

##### Code letter and hazard designation of product



Xn - Harmful

#### Risk phrases

R36/37/38 Irritating to eyes, respiratory system and skin.  
 Carcinogenic, category 3  
 R40 Limited evidence of carcinogenic effect.  
 R42/43 May cause sensitization by inhalation and skin contact.  
 R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

#### Safety phrases

S23 Do not breathe vapour/spray.  
 S36/37 Wear suitable protective clothing and gloves.  
 S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

#### Special labelling of certain preparations

Contains isocyanates. See information supplied by manufacturer.  
 Contains isocyanic acid, polymethylenepolyphenylene ester, o-(p-Isocyanatobenzyl)phenyl isocyanate

#### Other hazards

Persons suffering from allergic reactions to isocyanates should avoid contact with the product.

### 3. Composition / information on ingredients

**General chemical description:** 1-component PU adhesive; Polyurethane prepolymer with Isocyanate groups

Hazardous components	Content	Classification
Isocyanic acid, polymethylenepolyphenylene ester CAS: 9016-87-9	< 20%	⚠ Resp. Sens. 1, H334; Carcinogenicity 2, H351; STOT RE. 2, H373 ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Irrit. 2, H319; Acute Tox. 4, H332; STOT SE 3, H335 ..... ☒ Xn R20; R48/20; R42/43; Xi R36/37/38 carcinogenic cat. 3, R40
o-(p-Isocyanatobenzyl)phenyl isocyanate CAS: 5873-54-1 EINECS: 227-534-9 REACH: 01-2119480143-45	< 5%	⚠ Resp. Sens. 1, H334; Carcinogenicity 2, H351; STOT RE 2, H373 ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Irrit. 2, H319; Akut Tox. 4, H332; STOT SE 3, H335 ..... ☒ Xn R20; R48/20; R42/43; Xi R36/37/38 carcinogenic cat. 3, R40

For full text of the Statements / Phrases indicated by codes see chapter 16 'Other Information'.

### 4. First aid measures

#### General information

Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

#### Inhalation

Supply fresh air / oxygen / warmth. Seek specialist medical attention. Delayed effects possible after inhalation.

#### Skin contact

Wash and rinse thoroughly with plenty of running water and soap / mild cleaning agent. Change all contaminated clothing. If necessary, consult a dermatologist.

#### Eye contact

Rinse open eye with plenty of running water (for 10 minutes) immediately. If pain persists (intensive smarting, sensitivity to light, visual disturbance) continue flushing and consult a doctor or hospital.

#### Swallowing

Rinse mouth, drink 1-2 glasses of water. Do not induce vomiting. Immediately seek medical attention from a specialist.

#### Information for physician

Most important symptoms and effects, both acute and delayed

- Irritating to eyes.
- Irritating to respiratory system.
- Irritating to skin.
- May cause sensitization by inhalation.
- May cause sensitization by skin contact.
- Limited evidence of a carcinogenic effect (carcinogenic category 3).
- Danger of serious damage to health by prolonged exposure by inhalation.

Indication of any immediate medical attention and special treatment needed

No further relevant information available

### 5. Fire fighting measures

#### Suitable extinguishing media

All common extinguishing agents (CO<sub>2</sub>, extinguishing powder, fine water spray/haze, foam) are suitable.

#### Extinguishing media, which must not be used for safety reasons

High pressure water jet

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

Formation of toxic gases is possible during heating or in case of fire.

#### Advice for fire fighters - protective equipment

Wear self-contained breathing apparatus. Wear protective equipment. Do not breathe explosion gases or combustion gases.

#### Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. Collect contaminated fire fighting water separately. It must not enter drains, bodies of water or sewage system.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Wear protective clothing. Keep unprotected persons away. Avoid contact with skin and eyes. Danger of slipping on spilled product. Note instructions in chapter 8.

### Environmental precautions

Do not allow product to reach drains / water bodies / sewage system. Prevent from spreading. Note instructions in chapter 7.

### Clean-up methods

Remove with liquid-absorbing material (sand, peat, sawdust, acid binders, universal binders, diatomite). Dispose of contaminated material as waste according to chapter 13.

## 7. Handling and storage

### Precautions for safe handling

Wash hands before work breaks and after finishing work. Do not eat, drink or smoke while working. Store in tightly closed containers in a cool and dry place. Ensure good ventilation / exhaustion at the workplace.

### Information about protection against explosions and fires

No special measures required.

### Conditions for safe storage, including incompatibilities

Storage - Requirements to be met by storerooms and containers: Store in a cool and dry location.

Storage - Information about storage in one common storage facility: No special measures required.

Storage - Further information about storage conditions: Keep container tightly sealed. Ensure good ventilation / exhaustion. Temperatures between +15°C and +35°C.

### Specific end use(s)

No further relevant information available.

## 8. Exposure controls / personal protection

Components with critical values that require monitoring in the workplace – Great Britain

Ingredient	mg/m <sup>3</sup>	ppm	Type	Category	Remark
Isocyanates, all (AS-NCO) CAS: 101-68-8	0,07		short term exposure limit (STEL)		EH40 WEL
Isocyanates, all (AS-NCO) CAS: 101-68-8	0,02		time weighted average (TWA)		EH40 WEL

Basis: Lists valid at the time of compilation were used as basis.

### Biological Exposure Indices

None

### Information about design of technical systems

Observe local and national regulations. Note chapter 7.

### Respiratory protection

Recommendation: In case of aerosol formation or insufficient ventilation, wear appropriate respiratory protection equipment with ABEK P2 filter. This recommendation should be matched to local conditions.

### Hand protection

Chemical-resistant protective gloves (EN 374). Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374): Nitrile rubber (NBR; >= 0.4 mm thickness). Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374): Nitrile rubber (NBR; >= 0.4 mm thickness). Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

### Eye protection

Tightly sealed safety glasses.

### Skin protection

Protective clothing that covers arms and legs.

### General protection and hygiene measures

Standard precautionary measures for handling chemicals are to be observed. Keep away from food, drink and animal feeding stuff. Do not eat, drink or smoke while working. Wash hands before work breaks and after finishing work. Instantly remove any soiled and impregnated garments. Wear suitable protective clothing.

## 9. Physical and chemical properties

### General characteristics

Appearance	liquid yellow brown
Odour	characteristic

### Physical and chemical properties

Flash point	200°C (392°F)
Ignition temperature / spontaneous combustion	no data available
Danger of explosion	no data available
Density (20°C, 68°F)	1,12 – 1,24 g/cm <sup>3</sup>
Viscosity (dynamic)	5.000 – 9.000 mPas
Solubility qualitative (20°C, 68°F, solvent water)	not miscible or difficult to mix
VOC-Content (VOCV 814.018 VOC regulation CH)	0,00%
VOC-Content (EC)	0,00%

## 10. Stability and reactivity

### Reactivity

Reaction with water, alcohols, amines.

Reacts with water: Pressure built up in closed vessel (CO<sub>2</sub>). Danger of bursting!

### Chemical stability

Stable / no decomposition, if used according to specifications and stored under recommended conditions.

### Possibility of hazardous reactions

See section reactivity.

### Conditions to avoid

Temperatures below +10°C and above +65°C. Humidity.

### Incompatible materials

No further relevant information available.

### Hazardous decomposition products

At higher temperatures isocyanates may be released.

## 11. Toxicological information

### General toxicological information

The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations (Directive 1999/45/EC) in the latest version:

Persons suffering from allergic reactions to isocyanates should avoid contact with the product.

### Acute toxicity

#### Primary irritant effect

to respiratory system: Irritating. Danger of serious damage to health by prolonged exposure by inhalation.

to the skin: Irritating.

to the eye: Irritating.

#### Sensitization

May cause sensitization by skin contact and by inhalation.

#### Carcinogenicity

Limited evidence of a carcinogenic effect.

## 12. Ecological information

### General ecological information

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 under Section 3 is provided in the following.

Do not empty into drains / water bodies / sewage system / soil.

### Toxicity

No further relevant information available.

### Persistence and degradability

No further relevant information available.

### Bioaccumulative potential

Hazardous components	LogKow
o-(p-Isocyanatobenzyl)phenyl isocyanate	5,22

CAS: 5873-54-1

**Mobility in soil**

No further relevant information available.

**Results of PBT and vPvB assessments**

<b>Hazardous components</b>	<b>PBT / vPvB</b>
Isocyanic acid, polymethylenepolyphenylene ester CAS: 9016-87-9	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
o-(p-Isocyanatobenzyl)phenyl isocyanate CAS: 5873-54-1	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

**Other adverse effects**

No further relevant information available.

**13. Disposal considerations****Waste treatment**

Must not be disposed with household waste. Do not allow product to reach drains, bodies of water or sewage system. Hand over to disposers of hazardous waste, must be subject to special treatment.

EWC 08 04 09: waste adhesives and sealants containing organic solvents or other dangerous substances

**Uncleaned containers / packaging material**

Dispose of packaging according to regulations on the disposal of packaging.

Empty contaminated packaging thoroughly. Packaging can be recycled after thorough and proper cleaning. Packaging that cannot be cleaned are to be disposed in uniform manner as the product.

**14. Transport information****ADR, RID, IMDG, ADNR, IATA**

UN-No.	not dangerous goods
UN proper shipping name	not dangerous goods
Transport hazard class(es)	not dangerous goods
Packaging group	not dangerous goods
Environmental hazards	not applicable
Special precautions for user	not applicable
Transport in bulk according to Annex II of MARPOL 73/78 und IBC-Code	not applicable

**15. Regulations**

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

VOC content (VOCV 814.018 VOC regulation CH) 0%

**Chemical safety assessment**

A chemical safety assessment has not been carried out.

**16. Other information**

Full text of the Hazard statements indicated by GHS-codes in this safety data sheet. The labelling of the product is indicated in chapter 2.

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H351	Suspect of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.

Full text of the R-phrases indicated by codes in this safety data sheet. The labelling of the product is indicated in chapter 2.

R20	Harmful by inhalation.
R36/37/38	Irritating to eyes, respiratory system and skin.
R40	Limited evidence of a carcinogenic effect.
R42/43	May cause sensitization by inhalation and skin contact.
R48/20	Harmful: Danger of serious damage to health by prolonged exposure through inhalation.

#### 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 or to establish a legally contractual relationship.

All standard industrial precautions apply, concerning protection of health and safe handling. The recommendations have to be examined in the context of the application for which the product is intended and observed if necessary.