



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

### 1.1. Product identifier

Name of product Klebstoff PATTEX transparent

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

#### Identified uses

#### Sector of uses [SU]

SU22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

SU3 - Industrial uses: Uses of substances as such or in preparations at industrial sites

### 1.3. Details of the supplier of the safety data sheet

#### Manufacturer/distributor

joke Technology GmbH  
Asselborner Weg 14-16, D-51429 Bergisch Gladbach  
Phone +49 (0) 22 04 – 8 39 - 0, Fax +49 (0) 22 04 – 8 39 - 60  
E-Mail [info@joke.de](mailto:info@joke.de)  
Internet [www.joke.de](http://www.joke.de)

#### Advice

Phone +49 (0) 22 04 / 8 39-0  
Fax +49 (0) 22 04 / 8 39-60  
E-mail (competent person):  
[safety-data-sheet@joke.de](mailto:safety-data-sheet@joke.de)

### 1.4. Emergency telephone number

#### Emergency advice

Vergiftungs-Informationen-Zentrale Freiburg  
Phone +49 (0) 761 / 1 92 40  
REACH and CLP UK CA Help Desk; Telephone: +44  
171 635 9191

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
Flam. Liq. 2	H225	
Eye Irrit. 2	H319	
STOT SE 3	H336	

#### Hazard statements for physical hazards

H225 Highly flammable liquid and vapour.

#### Hazard statements for health hazards

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

### 2.2. Label elements

**Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]**



GHS02



GHS07

**Signal word**

Danger

**Hazard statements for physical hazards**

H225 Highly flammable liquid and vapour.

**Hazard statements for health hazards**

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

**Precautionary Statements**

**General**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

**Prevention**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.  
No smoking.

P233 Keep container tightly closed.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Disposal**

P501 Dispose of contents and containers in accordance with local, regional, national and international regulations.

**Supplemental Hazard information (EU)**

**Health properties**

Repeated exposure may cause skin dryness or cracking.

**2.3. Other hazards**

**Adverse physicochemical effects**

Vapours can travel considerable distances to a source of ignition where they can ignite, flash back, or explode.

**Adverse human health effects and symptoms**

Prolonged or repeated contact may cause skin irritation.

**Information pertaining to special dangers for human and environment**

Irritating to eyes.

**Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.



## SECTION 3: Composition/ information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/ GHS]
67-64-1	200-662-2	acetone	10 < 20	Flam. Liq. 2, H225 / Eye Irrit. 2, H319 / STOT SE 3, H336
123-86-4	204-658-1	n-butyl acetate	60 - 80	Flam.Liq.3, H226 / STOT SE 3, H336

#### REACH

CAS No	Name	REACH registration number
67-64-1	acetone	01-2119471330-49
123-86-4	n-butyl acetate	01-2119485493-29-xxxx

#### Additional advice

Base material : Polyurethane in a mixture of organic solvents

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In the event of persistent symptoms receive medical treatment.

#### In case of inhalation

In case of inhalation remove the casualty into fresh air and seek medical advice.

#### In case of skin contact

In case of contact with skin wash off with soap and water.  
Take off contaminated clothing.

#### In case of eye contact

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

#### In case of ingestion

Do not induce vomiting.  
Medical treatment.  
Rinse out mouth thoroughly with water.

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

#### Physician's information / possible symptoms

Irritating

In case of inhalation of plenty of solvent-containing fumes the following symptoms may occur:

Unconsciousness

Confusion

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

No information available.



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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Foam  
Dry powder  
Carbon dioxide  
Water spray jet

#### Unsuitable extinguishing media

Full water jet

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

In the event of fire the following can be released:

Carbon monoxide (CO)  
Carbon dioxide (CO<sub>2</sub>)

### 5.3. Advice for firefighters

#### Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply.  
Wear full protective clothing.

#### Additional information

Cool endangered containers with water spray jet.  
Collect contaminated firefighting water separately, must not be discharged into the drains.

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## SECTION 6: Accidental release measures

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

#### For non-emergency personnel

Ensure adequate ventilation.  
Use personal protective clothing.  
High risk of slipping due to leakage/spillage of product.

### 6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

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

Take up with absorbent material (e.g. sand, sawdust).

### 6.4. Reference to other sections

No information available.

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

#### General protective measures

It is essential for pregnant women to avoid inhaling the product and not to let it come in contact with the skin.



#### Hygiene measures

At work do not eat, drink and smoke.  
 Wash hands and skin before breaks and after work.

#### Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking

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

##### Requirements for storage rooms and vessels

Keep in closed original container.

##### Advice on storage compatibility

Do not store together with food.

##### Further information on storage conditions

Keep container dry and tightly closed.

Store at cool and aired place.

5 - 30 °C

**Storage group** 3

#### 7.3. Specific end use(s)

##### Recommendation(s) for intended use

See section 1.2

## SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### biological limits (TRGS 903)

CAS No	Name	Parameter	BGW	Examination material	Test date
67-64-1	acetone	Aceton	80 mg/l	U	b

##### DNEL-/PNEC-values

###### DNEL worker

CAS No	Substance name	Value	Code	Remark
123-86-4	n-butyl acetate	186 mg/kg	DNEL long-term dermal (systemic)	
		2420 mg/m <sup>3</sup>	DNEL acute inhalative (local)	
		1210 mg/m <sup>3</sup>	DNEL long-term inhalative (systemic)	
67-64-1	acetone	1210 mg/m <sup>3</sup>	DNEL long-term inhalative (systemic)	
		186 mg/kg	DNEL long-term dermal (systemic)	
		2420 mg/m <sup>3</sup>	DNEL acute inhalative (local)	

###### PNEC

CAS No	Substance name	Value	Code	Remark
123-86-4	n-butyl acetate	10,6 mg/l	PNEC aquatic, freshwater	
		1,06 mg/l	PNEC aquatic, marine water	
		3,04 mg/kg	PNEC sediment, marine water	
		30,4 mg/kg	PNEC sediment, freshwater	
67-64-1	acetone	30,4 mg/kg	PNEC sediment, freshwater	



**DNEL-/PNEC-values (continued)**

CAS No	Substance name	Value	Code	Remark
		3,04 mg/kg	PNEC sediment, marine water	
		1,06 mg/l	PNEC aquatic, marine water	
		10,6 mg/l	PNEC aquatic, freshwater	

**8.2. Exposure controls**

**Respiratory protection**

Environment-independent breathing apparatus.

**Hand protection**

Angaben zum Handschuhmaterial [Art/Typ, Dicke, Durchdringzeit/Tragedauer, Benetzungstärke]: EN374, Nitril, >0,6 mm, > 10 min

**Eye protection**

EN 166

tightly fitting goggles

**Other protection measures**

protective clothing

**Appropriate engineering controls**

ventilation system

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

**Appearance**

liquid

**Colour**

colourless

**Odour**

characteristic

**Odour threshold**

No data available

**Important health, safety and environmental information**

	Value	Temperature	at	Method	Remark
<b>pH value</b>	No data available				
<b>Acid number</b>	No data available				
<b>Boiling temperature / boiling range</b>					No data available
<b>Melting point / Freezing point</b>					No data available
<b>Flash point</b>	-22 °C				
<b>Vapourisation rate</b>					No data available
<b>Flammable (solid)</b>	No data available				



	Value	Temperature	at	Method	Remark
<b>Flammability (gas)</b>	No data available				
<b>Ignition temperature</b>	No data available				
<b>Self ignition temperature</b>	No data available				
<b>Lower explosion limit</b>	0,9 Vol-%				
<b>Upper explosion limit</b>	14,3 Vol-%				
<b>Vapour pressure</b>	263 mbar	25 °C			
<b>Relative density</b>	0,87 g/cm <sup>3</sup>	20 °C			
<b>Bulk density</b>					No data available
<b>Vapour density</b>					No data available
<b>Solubility in water</b>					No data available
<b>Solubility/other</b>					No data available
<b>Partition coefficient n-octanol/water (log P O/W)</b>					No data available
<b>Decomposition temperature</b>	No data available				
<b>Viscosity</b>	3000 - 3500 mPa*s	20 °C			
<b>Viscosity kinematic</b>					not applicable
<b>Solvent separation test</b>					No data available
<b>Solvent content</b>					No data available
<b>Water content</b>					No data available
<b>Solids content</b>					No data available
<b>Combustion value</b>	No data available				
<b>Sensitiveness to impact</b>	No data available				



**Oxidising properties**

No data available

**Explosive properties**

No data available

**9.2. Other information**

No information available.

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**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

None known if used as intended.

**10.2. Chemical stability**

stable

**10.3. Possibility of hazardous reactions**

No data available

**10.4. Conditions to avoid**

No hazardous reactions known.

**10.5. Incompatible materials**

**Substances to avoid**

No hazardous reactions known.

**10.6. Hazardous decomposition products**

None, when used as intended.

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**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

**Acute toxicity/Irritation/Sensitization**

	Value/Validation	Species	Method	Remark
<b>LD50 acute oral</b>	10760 mg/kg	rat	OECD 423	CAS-Nr. 123-86-4
<b>LD50 acute dermal</b>	> 14112 mg/kg	rabbit	OECD 402	CAS-Nr. 123-86-4
<b>LC50 acute inhalation</b>	> 23,4 mg/l (4 h)	rat	OECD 403	CAS-Nr. 123-86-4
<b>Skin irritation</b>	non-irritant	Guinea pig	not determined	CAS-Nr.: 123-86-4
<b>Eye irritation</b>	non-irritant	rabbit eye	OECD 405	CAS-Nr.: 123-86-4
<b>Skin sensitization</b>	non-sensitizing	Guinea pig	not determined	CAS-Nr.: 123-86-4





Value/Validation	Species	Method	Remark
<b>Sensitization respiratory system</b>			
not sensitizing			

**Subacute Toxicity - Carcinogenicity**

Value	Species	Method	Validation
<b>Subacute Toxicity</b>			No data available
<b>Subchronic Toxicity</b>			No data available
<b>Chronic Toxicity</b>			No data available
<b>Mutagenicity</b>			No data available
<b>Reproduction-Toxicity</b>			No data available
<b>Carcinogenicity</b>			No data available
<b>Specific target organ toxicity (single exposure)</b> No data available			
<b>Specific target organ toxicity (repeated exposure)</b> No data available			
<b>Aspiration hazard</b> No data available			

**SECTION 12: Ecological information**

**12.1. Toxicity**

**Ecotoxicological effects**

	Value	Species	Method	Validation
<b>Fish</b>	LC50 18 mg/l (96 h)	Pimephales promelas	OECD 203	CAS-Nr. 123-86-4
<b>Daphnia</b>	EC50 44 mg/l (48 h)	Daphnia sp.	OECD 202	CAS-Nr. 123-86-4
<b>Algae</b>	EC10 295,5 mg/l (72 h)	Scenedesmus subspicatus	OECD 201	CAS-Nr. 123-86-4
<b>Bacteria</b>	EC10 1000 mg/l (30 min)	Pseudomonas putida	DIN 38412 T.27	CAS-Nr.:67-64-1

**12.2. Persistence and degradability**

	Elimination rate	Method of analysis	Method	Validation
<b>Physico-chemical degradability</b>				Readily eliminable from water



Elimination rate	Method of analysis	Method	Validation
<b>Biological degradability</b>			readily degradable
<b>Degradability</b>			readily degradable
<b>Biological eliminability</b>			Readily eliminable from water
<b>Degradability according to WRMG</b>			No data available
<b>12.3. Bioaccumulative potential</b>			
No data available			
<b>12.4. Mobility in soil</b>			
No data available			
<b>12.5. Results of PBT and vPvB assessment</b>			
The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.			
<b>12.6. Other adverse effects</b>			
No data available			
<b>Behaviour in sewage plant</b>			
No data available			

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Waste code No.**

08 04 09\*

**Name of waste**

waste adhesives and sealants containing organic solvents or other hazardous substances

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.

**Recommendations for the product**

Remove in accordance with local official regulations.

**Recommendations for packaging**

Uncontaminated packaging may be taken for recycling.

## SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
<b>14.1. UN number</b>	UN1133	UN1133	UN1133
<b>14.2. UN proper shipping name</b>	Klebstoffe	Adhesives	Klebstoffe
<b>14.3. Transport hazard class(es)</b>	3	3	3



	<b>ADR/RID</b>	<b>IMDG</b>	<b>IATA-DGR</b>
<b>14.4. Packing group</b>	II	II	II
<b>14.5. Environmental hazards</b>	No	No	No
<b>14.6. Special precautions for user</b> No information available.			
<b>14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> not applicable			
<b>Land and inland navigation transport ADR/RID</b> Tunnel restriction code D/E Special provisions 640D			

## SECTION 15: Regulatory information

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**  
**Other regulations (EU)**  
(EU) N. 2019/1148

**VOC standard**

**VOC content** 83,4 %

**National regulations**

**Water hazard class** 1 AwSV  
slightly hazardous to water

**15.2. Chemical Safety Assessment**

A chemical safety assessment was not carried out.

## SECTION 16: Other information

**Training advice**

no

**Recommended uses and restrictions**

National and local regulations concerning chemicals shall be observed.

**Further information**

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

**Sources of key data used**

Datasheets of the manufacturer

H225 Highly flammable liquid and vapour.  
H226 Flammable liquid and vapour.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.