

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Name of product:** Kleber Aloglue HTJ; Hardener

**Manufacturer/Distributor:** JELN Imprägnierung GmbH  
Vogelsrather Weg 25, 41366 Schwalmtal  
Phone 0049-2161-898857

**Emergency advice:** 02161-898857

**Recommended purpose:** 2K-Epoxy-adhesive

## 2. HAZARDS IDENTIFICATION

### Classification

C; R34  
R43

### R-phrases

34 Causes burns  
43 May cause sensitisation by skin contact

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Chemical characterization

Amine hardener with ceramics

### Hazardous ingredients

CAS-No	EC No	Name	[% weight]	Classification
100-51-6	202-859-9	Benzylalcohol	< 5	Xn R20/22
2855-13-2	220-666-8	3-aminomethyl-3,5,5-trimethylcyclohexylamine	10-20	Xn R21/22; C R34; R43; R52-53
109-55-7	203-680-9	N,N-dimethyl-1,3-diaminopropane	1-3	R10; Xn R22; C R34; R43
68410-23-1		Polyaminoamid	5-10	Xi R41

## 4. FIRST AID MEASURES

### General information

Remove contaminated soaked clothing immediately.

### 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.

### In case of eye contact

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

### In case of ingestion

Do not induce vomiting.

If swallowed seek medical advice immediately and show the doctor packing label.

## 5. FIRE-FIGHTING MEASURES

### **Suitable extinguishing substance**

Foam  
Dry fire-extinguishing substance  
Carbon dioxide  
Water spray jet

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

Full water jet

### **Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases**

In the event of fire the following can be released:

Nitrogen oxides (NO<sub>x</sub>)  
Carbon monoxide (CO)  
Corrosive gases

### **Additional information**

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

## 6. ACCIDENTIAL RELEASE MEASURES

### **Personal precautions**

Avoid skin contact with running out liquid.  
Avoid skin contact.  
Keep away sources of ignition.

### **Environmental precautions**

Do not discharge into the drains or bodies of water.

### **Methods for cleaning up**

Take up with absorbent material (e.g. general-purpose binder).  
Take up mechanically and send for disposal.

## 7. HANDLING AND STORAGE

### **Advice on safe handling**

Take the usual precautions when handling with chemicals.

### **Further information on storage conditions**

Keep container tightly closed and store at cool and aired place.  
Protect from extreme heat and cold.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### **Respiratory protection**

Not needed if sufficient ventilation is provided.

### **Hand protection**

Detailed information of protective gloves are provided by manufacturers; p.e. at [www.kcl.de](http://www.kcl.de) or [www.mapa-professionel.com](http://www.mapa-professionel.com).

Details about protective glove material (kind/type, thickness, duration of permeation/wearing, wetting): p.e. nitrile 0,4 mm thick – permeation time = 480 min.

### **Eye protection**

Safety goggles.

### **Skin protection**

Light protective clothing.

### **Hygiene measures**

At work do not eat, drink and smoke.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Form</b>	<b>Colour</b>	<b>Odour</b>
Putty	light yellow	similar to amines

### Important health, safety and environmental information

	Value
pH-value in delivery state	ca. 11 (50 % in demin water)
Boiling point	> 200°C
Flash point	> 100°C
Density	1,2 to 1,6 g/ccm
Solubility in water	partially soluble
Viscosity	> 1000 Pas

## 10. STABILITY AND REACTIVITY

### Conditions to avoid

Sun light.  
Storage at elevated temperature.

### Materials to avoid

Strong oxidizing agents  
Strong reducing agents  
Strong acids, lyes and humidity

### Thermal decomposition

No decomposition if used properly.

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity/irritability/sensitization

	Value/Validation	Species	Method	Remark
<b>LD 50 acute oral</b>	> 2000mg/kg	rat	LD 50	
<b>Irritability skin</b>	corrosive	rabbit		
<b>Irritability eye</b>	corrosive	rabbit eye		
<b>Skin sensitization</b>	sensitizing	Guinea pig		

## 12. ECOLOGICAL INFORMATION

### General regulation

If properly handled the product does not cause any damage.

## 13. DISPOSAL CONSIDERATIONS

### Recommendations for the product

Mix with the proper amount of corresponding resin. After full cure the material can be disposed without restrictions. Anyway, dispose under observation of local regulations.

### Recommendations for packing

Empty containers have to be cleaned thoroughly before wasted. If the containers contain still residues of the material they have to be treated and disposed according to the regulations for hazardous goods.

### General information

Waste numbers according to European waste list. Because of different use of the product there is no special number which relates generally. Please, show up according to your use.

#### 14. TRANSPORT INFORMATION

**Land and inland navigation transport ADR/RID**

UN 2735 AMINE, LIQUID, CORROSIVE, N.O.S. (Polyamine), 8, III, (E) Classification code: C7

**Transport/further information**

LQ07: 5 ltr. per container and 30 kg per total packing.

#### 15. REGULATORY INFORMATION

**Classification**

**C** Corrosive

**R-phrases**

34 Causes burns.  
43 May cause sensitisation by contact.

**S-phrases**

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
36/37/39 Wear suitable protective clothing, glove and eye/face protection.  
45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

**Hazardous ingredients for labelling**

3-aminomethyl-3,5,5-trimethylcyclohexylamine, N,N'-dimethyl-1,3-diaminopropane

**National regulations**

**Water hazard class** 1 Self-classification acc. VwVwS

**Other regulations, restrictions and prohibition regulations**

"Merkblatt E 05-Epoxyharze" (Kühn-Biret) und "Polyester- und Epoxyharze" (BG-Chemie, Merkblatt M 023)

#### 16. OTHER INFORMATION

**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.

**Wording of the R-phrases specified in chapter 3 (not the classification of the formulation)**

R10 Flammable  
R 20/22 Harmful by inhalation and if swallowed.  
R21/22 Harmful in contact with skin and if swallowed.  
R22 Harmful if swallowed.  
R34 Causes burns.  
R41 Risk of serious damage to eyes.  
R43 May cause sensitisation by skin contact.  
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.