

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

### **1.1 Commercial product name**

HISTOACRYL

### **Use of the substance/preparation**

Adhesive

### **1.2 Information manufacturer/supplier**

AESCULAP AG & CO. KG

Am AESCULAP-Platz

D78532 Tuttlingen/Donau

Telephone : (0 74 61) 95-0

Telefax : (0 74 61) 95-2600

Inquiry office :

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## **2. Composition/information on ingredients**

### **Chemical characterization : ( preparation )**

One-component adhesive based on butylcyanoacrylate

### **Hazardous components**

(Full text of each relevant R phrase can be found in heading 16)

EC No.	CAS No.	Components	Value	Symbols	R-phrases
229-552-2	6606-65-1	n-butyl-2-cyanoacrylate	> 90 %	Xi	R36/37/38

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## **3. Hazards identification**

### **Explication of special hazards for human health and environment**

Irritating to eyes, respiratory system and skin.

Bonds skin and eyes in seconds

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## **4. First aid measures**

### **General information**

Remove and wash contaminated clothing before re-use

### **After inhalation**

Move to fresh air in case of accidental inhalation of fumes from overheating or combustion.

Refer for medical treatment.

### **After contact with skin**

Take away immediately by mechanical means.

Wash off with soap and plenty of water.

Consult a physician.

### **After contact with eyes**

Rinse thoroughly with plenty of water, also under the eyelids.

Summon a doctor immediately.

**After ingestion**

Induce vomiting only upon the advice of a physician.  
Summon a doctor immediately.

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**5. Fire-fighting measures**

**Suitable extinguishing media**

Foam, carbon dioxide (CO<sub>2</sub>), dry chemical, water-spray

**Extinguishing media that must not be used for safety reasons**

Full water jet

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

Fire may produce:

Carbon monoxide, carbon dioxide, sulphur oxides and nitrogen oxides (NO<sub>x</sub>).

**Special protective equipment for firefighters**

Use breathing apparatus with independent air supply.

**Additional information**

Cool containers at risk with water spray jet.

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**6. Accidental release measures**

**Personal precautions**

Avoid contact with skin, eyes and clothing.

Ensure adequate ventilation.

Use personal protective clothing.

**Environmental precautions**

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

**Methods for cleaning up/taking up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).

Shovel into suitable container for disposal.

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**7. Handling and storage**

**7.1 Handling**

**Advice on safe handling**

Keep containers dry and tightly closed to avoid moisture absorption and contamination.

**Advice on protection against fire and explosion**

No special protective measures against fire required.

**7.2 Storage**

**Requirements for storage rooms and vessels**

Store in a cool and shaded area.

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**Advice on storage compatibility**

Incompatible with:  
oxidizing agents, bases, water, amines, alcohols

**Further information on storage conditions**

Keep away from food, drink and animal feeding stuffs.

**Storageclass (VCI): 3 B**

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**8. Exposure controls/personal protection**

**8.1 Exposure limit values**

**8.2 Exposure controls**

**Protective and hygiene measures**

Wash hands before breaks and immediately after handling the product.

When using, do not eat, drink or smoke.

Avoid contact with skin, eyes and clothing.

Take off immediately all contaminated clothing.

**Respiratory protection**

No personal respiratory protective equipment normally required.

**Hand protection**

Gloves made of nitrile (i. e. "Manufix free", B. Braun Melsungen AG)

Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

**Eye protection**

Eye wash bottle with pure water

Tightly fitting goggles

**Body protection**

Long sleeved clothing.

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**9. Physical and chemical properties**

**9.1 Appearance**

Form: liquid

Colour: blue

Odour: ester-like

**9.2 Important health, safety and environmental information**

pH Value

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**Test method**

**Changes in the physical state**

Boiling point: > 200 °C

Flash point: 87 °C

Ignition temperature: n.d. °C

Lower Explosion limit: n.d.

Density:  
(at 20 °C) 1 g/ml

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Water solubility: immiscible g/l  
(at 20 °C)

Viscosity / dynamic: 2 - 3,5 mPa·s  
(at 20 °C)

#### **Further information**

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### **10. Stability and reactivity**

#### **Conditions to avoid**

To avoid thermal decomposition, do not overheat.  
Product is sensitive to light and moisture.

#### **Materials to avoid**

Bases., Oxidizing agents., water, amines, alcohols

#### **Hazardous decomposition products**

Carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>) and nitrogen oxides (NO<sub>x</sub>)

#### **Additional information**

No decomposition if stored and applied as directed.

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### **11. Toxicological information**

#### **Empirical data on effects on humans**

Irritating to eyes, respiratory system and skin.  
Bonds skin and eyes in seconds.

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### **12. Ecological information**

#### **Additional information**

Do not flush into surface water or sanitary sewer system.  
Slightly water hazardous.

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### **13. Advice on disposal**

#### **Dispose**

Where possible recycling is preferred to disposal.  
Can be incinerated, when in compliance with local regulations.

#### **Waste disposal number of Waste from residues / unused product : 180106**

WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (except kitchen and restaurant wastes not arising from immediate health care); wastes from natal care, diagnosis, treatment or prevention of disease in humans; chemicals consisting of or containing dangerous substances  
Classified as hazardous waste.

#### **Contaminated packaging**

Empty containers should be taken for local recycling, recovery or waste disposal.  
Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.  
Packaging that cannot be cleaned should be disposed of like the product.

## **14. Transport information**

### **14.1 Land transport (ADR/RID)**

### **14.2 Inland waterways transport**

### **14.3 Marine transport**

### **14.4 Air transport**

### **14.5 Further Information**

#### **Other data**

No hazardous material as defined by the transport regulations

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## **15. Regulatory information**

### **15.1 Labelling**

#### **Labelling according to EC-guidelines**

According to the EC hazardous substance regulations in compliance with the EC medicine product regulations this product must not be labelled as a hazardous substance.

#### **Special labelling for certain preparations**

Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.

### **15.2 National regulations**

Water contaminating class: 1 - slightly water contaminating

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## **16. Other information**

#### **List of relevant R phrases**

36/37/38 Irritating to eyes, respiratory system and skin.

#### **Other data**

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product (s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

"(n.a. = not applicable; n.d. = not determined)"

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