

**Safety Data Sheet according to Regulation (EU) No. 1907/2006**

AESULAP AG

Revision date : 09.04.2009

Revision no. : 1,02

**HISTOACRYL**

00250-0012

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

**Identification of the substance or preparation**

HISTOACRYL

**Use of the substance/preparation**

Adhesive

**Company/undertaking identification**

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Contact person

Inquiry office

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**2. Hazards identification**

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

Not classified as dangerous according to directive 1999/45/EEC

Bonds skin and eyes in seconds.

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**3. Composition/information on ingredients**

**Chemical characterization** ( Mixture )

One-component adhesive based on butylcyanoacrylate

**Hazardous components**

| EC-No.    | CAS-No.   | Chemical name | Quantity   | Classification |
|-----------|-----------|---------------|------------|----------------|
| 229-552-2 | 6606-65-1 | Enbucrilate   | 90 - 100 % |                |

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

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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**

Do not pull bonded skin apart. It may be gently peeled apart using a blunt object such as a spoon, preferably after soaking in warm soapy water.

Cyanoacrylates release heat during setting. In rare cases, a larger product quantity may develop enough heat to cause burns.

Burns should be treated normally after the adhesive has been removed from the skin.

If lips are accidentally stuck together apply warm water to the lips and encourage maximum wetting and pressure from saliva inside the mouth.

Peel or roll lips apart. Do not try to pull lips apart with direct opposing action.

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### **After contact with eyes**

If the eye is bonded closed, release eyelashes with warm water by covering with a wet cotton pad. Cyanoacrylate will bond to eye protein and will cause periods of weeping which will help to debond the adhesive.

Keep eye covered until debonding is complete, usually within 1-3 days. Do not force eye open. Medical advice should be sought in case solid particles of cyanoacrylate are trapped behind the eyelid causing thus an abrasive damage.

### **After ingestion**

Make sure that there is no airways obstruction. The product will polymerise immediately in the mouth making it almost impossible to swallow it. Saliva will slowly separate the solidified product from the mouth (several hours).

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## **5. Fire-fighting measures**

### **Suitable extinguishing media**

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

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

Full water jet

### **Special exposure hazards arising from 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 fire-fighters**

Use breathing apparatus with independent air supply.

Protective suit

### **Additional information**

Cool containers at risk with water spray jet.

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

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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**

Do not collect spills using clothes. Flood with water in order to terminate the polymerisation and scrape off floor. Hardened material can be disposed of as non-hazardous waste.

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## **7. Handling and storage**

### **Handling**

#### **Advice on safe handling**

Ventilation (moderate ventilation) is recommended when larger quantities are used, or where odour problems should become apparent (the odour limit is around 1-2ppm).

In order to minimise the risk of accidental skin or eye contact it is recommended to use automatic dispensing devices.

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

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**Advice on protection against fire and explosion**

No special protective measures against fire required.

**Storage**

**Requirements for storage rooms and vessels**

Store in a cool and shaded area.

Keep only in original container.

Store at temperatures between 2°C and 8°C.

**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**

**Exposure limit values**

**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**

Solvent-resistant gloves (nitrile rubber).

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It should be taken into consideration, that due to the great number of influential factors such as the temperature, the daily durability of chemicals resistant protective gloves may be considerably reduced in practice, compared to the permeation rate assessed according to EN 374.

**Eye protection**

Tightly fitting goggles

Eye wash bottle with pure water.

**Skin protection**

Long sleeved clothing.

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**9. Physical and chemical properties**

**General information**

|                |            |
|----------------|------------|
| Physical state | Liquid     |
| Colour         | Colourless |
| Odour          | Ester-like |

**Important health, safety and environmental information**

Test method

**Changes in the physical state**

Boiling point > 149 °C

Flash point 80 - 93,4 °C

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**Flammability**

Lower explosion limits n.d.  
Ignition temperature n.d.  
Vapour pressure : < 0,3 hPa  
Density (at 20 °C) : 1,00 - 1,02 g/cm<sup>3</sup>  
Water solubility : polymerised  
at (20 °C)  
Solubility in other solvents Acetone: Soluble

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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.

Rapid exothermic polymerisation will occur in the presence of water, amines, alkalis and alcohols.

**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**

**Acute toxicity**

LD50/oral/rat: > 5000 mg/kg

LD50/dermal/rabbit: > 2000 mg/kg

**Empirical data on effects on humans**

Bonds skin and eyes in seconds.

Vapours may irritate eyes and the respiratory system.

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**12. Ecological information**

**Further information**

Do not flush into surface water or sanitary sewer system.

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**13. Disposal considerations**

**Advice on disposal**

Where possible recycling is preferred to disposal.

Can be incinerated, when in compliance with local regulations.

**Waste disposal number of waste from residues/unused products**

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**

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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.

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### **14. Transport information**

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

#### **Inland waterways transport**

#### **Marine transport**

#### **Air transport**

|                                       |       |
|---------------------------------------|-------|
| ICAO/IATA-DGR                         | 9     |
| UN/ID number                          | 3334  |
| Hazard label                          | 9     |
| IATA-packing instructions - Passenger | 906   |
| IATA-max. quantity - Passenger        | 100 L |
| IATA-packing instructions - Cargo     | 906   |
| IATA-max. quantity - Cargo            | 220 L |
| ICAO packing group                    | -     |
| Limited quantity Passenger            | -     |

#### **Description of the goods**

AVIATION REGULATED LIQUID, N.O.S. (Cyanoacrylate ester)

#### **Further Information**

Not classified as dangerous in the meaning of land (ADR/RID) and sea (IMDG) transport regulations.

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### **15. Regulatory information**

#### **Labelling**

Additional advice on labelling                      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.

#### **National regulatory information**

Water contaminating class (D)                      - - not water contaminating  
1999/13/EC (VOC)                                      < 3 %

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### **16. Other information**

#### **Further Information**

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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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*