

Date of issue: 30.07.2002 Replaces Data Sheet of : 08.08.2001
 "" alterations as compared to previous version; n.ap. = not applicable; n.av. = not available



1 Identification of Substance / Preparation and Company

- 1.1 **Identification of Substance or Preparation**
Trade Name : BonaBond H 790 Component A
Article No. : n.av.
Preparation No. : n.av.
- 1.2 **Use of the substance / preparation:**
 Adhesive
- 1.3 **Company / Supplier Identification**
- 1.3.1 **Address of the Company / Supplier:**
 Bona GmbH, Jahnstraße 12, D - 65549 Limburg
 Telephone : +49-6431-4008-0, Fax : +49-6431-4008-25
- 1.3.2 **Responsible :**
 Chemie & Vorschrift, Kannheideweg 35, D-53123 Bonn-Duisdorf
- 1.4 **Emergency - Telephone**
 Information Centre Specialising in Symptoms of Poisoning Emergency - Telephone of Company / Undertaking
 Telephone : ++49 - 761 - 19 240 Telephone : +49-6431-4008-0

2 Composition / Information on Ingredients

- 2.1 **Chemical Characterisation:**
 Polymer suspension
- 2.2 **Dangerous Ingredients:**
- | CAS - No. | Index - No. | EEC - No. | Material | m% - range | Symbol | R - phrases |
|-----------|-------------|-----------|---------------------------------|------------|--------|---------------|
| 124-17-4 | n.av. | 204-685-9 | 2-(2-Butoxyethoxy)-ethylacetate | 1 - 3% | Xn | R 36/38-48/21 |

Remarks: Classification and labelling of a product is indicated under item 15.

3 Hazards Identification

- 3.1 **For Humans** (additional information is given under item 11) :
 May cause eye/skin irritation. May be harmful if swallowed.
- 3.2 **For the Environment :**
 May cause long-term adverse effects in the aquatic environment.
- 3.3 **For Materials:**
 n.av.

4 First Aid Measures

- 4.1 **Inhalation:**
 Move out of dangerous area.
 Move to fresh air. If symptoms persist, call a physician.
- 4.2 **Skin Contact :**
 Wash off with soap and water.
 If symptoms persist, call a physician.
- 4.3 **Eye Contact :**
 Rinse immediately with plenty of water, also under the eyelids.
 Obtain medical attention.
- 4.4 **Ingestion :**
 Clean mouth with water and drink afterwards plenty of water.
 Consult a physician for severe cases.
- 4.5 **Note to Physician:**
 Treat symptomatically.
- 4.6 **Special Equipment:**
 n.av.

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Telephone : +49-6431-4008-0, **Date of issue:** 30.07.2002 **Replaces Data Sheet of :** 08.08.2001**5 Fire Fighting Measures**

- 5.1 **Suitable Extinguishing Media :** Use dry chemical, CO₂, water spray or "alcohol" foam.
- 5.2 **Extinguishing Media to Avoid :** None
- 5.3 **Fire and Explosion Hazards :**
In the event of fire carbon oxides may be formed. Burning produces irritant fumes.
- 5.4 **Additional Information :** None
- 5.5 **Special Protective Equipment :**
Wear positive pressure self-contained breathing apparatus.
Wear full protective clothing.

6 Accidental Release Measures

- 6.1 **Personal Precautions :**
See No. 8.3 Personal Protective Equipment. Ensure adequate ventilation.
- 6.2 **Environmental Precautions and Methods for Cleaning up :**
Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
- 6.3 **Further Information :** None

7 Handling and Storage (For national regulations refer to item 15.2)

- 7.1 **Handling**
- 7.1.1 **Precautions for Safe Handling :**
Keep container tightly closed. No special technical protective measures required.
- 7.1.2 **Precautions in Case of Fire and Explosion :**
No special precautions required.
- 7.2 **Storage**
- 7.2.1 **Storage Instructions :**
Ensure adequate ventilation, especially in confined areas.
- 7.2.2 **Store away from :**
Do not store together with oxidising agents
- 7.2.3 **Further Information on Storage Conditions :**
n.av.
- 7.2.4 **Storage Class :** 12 (VCI - Concept)

8 Exposure Controls and Personal Protection

- 8.1 **Information on System Design :**
Provide personal protective equipment.
- 8.2 **Exposure Limits:**
- 8.2.1 **Material** **Limit Value :**
2-(2-Butoxyethoxy)-ethylacetate n.av., skinresorptive
- 8.3 **Personal Protective Equipment**
- 8.3.1 **General Protection and Hygiene :**
Avoid contact with the skin and the eyes. Take off all contaminated clothing immediately.
Do not breathe vapours/dust. When using, do not eat, drink or smoke.
- 8.3.2 **Respiratory Protection :** Breathing apparatus only if aerosol or dust is formed.
- 8.3.3 **Hand Protection :** Solvent -resistant gloves (Nitril)
- 8.3.4 **Eye Protection :** Tightly fitting safety goggles
- 8.3.5 **Skin Protection :** None
- 8.3.6 **Further Information :** Refer to special restrictions in wearing protective equipment

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9 Physical and Chemical Properties**9.1 Appearance**9.1.1 **Form** : liquid, viscous 9.1.2 **Colour** : white 9.1.3 **Odour** : none**9.2 Safety Relevant Data**

9.2.1 pH-value, undiluted : n.av., pH-value, 1% aqueous solution : n.av.
 9.2.2 Boiling point / Boiling - range (°C) : n.av., Melting point / Melting range (°C) : n.av.
 9.2.3 Flash point (°C, c.c.) : n.av.
 9.2.4 Flammability (EEC A10/A13) : n.av.
 9.2.5 Ignition temperature (°C) : n.av.
 9.2.6 Autoflammability (EEC A16) : n.av.
 9.2.7 Oxidising properties : n.av.
 9.2.8 Explosion hazard : n.av.
 9.2.9 Explosion limits (Vol.%) lower : n.av., upper : n.av.
 9.2.10 Vapour pressure : n.av.
 9.2.11 Density (g/ml) : n.av.
 9.2.12 Solubility (in Water) : practically not soluble Partly miscible with most organic solvents
 9.2.13 Partition coefficient, n-Octanol/Water : n.av.
 9.2.14 Viscosity : n.av.
 9.2.15 Solvent separation test : n.av.
 9.2.16 Solvent content (m %) : < 5

9.3 Further Data

9.3.1 Thermal decomposition (°C) : n.av.
 9.3.2 Vapour density (Air = 1) : n.av.
 9.3.3 Evaporation rate : n.av.

10 Stability and Reactivity

10.1 **Conditions to Avoid** :
 Depolymerization starting from 250°C.
 10.2 **Materials to Avoid** :
 Strong oxidising agents
 10.3 **Hazardous Decomposition Products** :
 No decomposition if used as directed.
 10.4 **Further Information** :
 None

11 Toxicological Information**11.1 Toxicological Tests :****11.1.1 Acute Health Effects :**

Inhalation, LC₅₀ rat, (mg/l/4h) : n.av.
 Ingestion, LD₅₀ rat, (mg/kg) : > 5.000
 Skin - contact, LD₅₀ rat, (mg/kg) : n.av.
 Irritation (to skin / eye) : Primary irritation: slight
 Sensitisation : n.av.

11.1.2 Subacute / Chronic Toxicity :

Carcinogenicity : n.av.
 Mutagenicity : n.av.
 Teratogenicity : n.av.
 Narcotic Effects : n.av.

11.2 Practical Experience

11.2.1 Observations relevant for classification :
 None

11.2.2 Further Observations :
 None

11.3 General Remarks :

Classification of the preparation has been done by calculation in accordance with EEC directives.

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12 Ecological Information

- 12.1 **Ecotoxic Effects, Aquatic Toxicity :**
n.av.
- 12.2 **Behaviour in Sewage Works :**
Mobility and Accumulation Potential : n.av.
- 12.3 **Elimination (Persistence and Degradability) :**
The product is slightly soluble in water. It can be eliminated from water by abiotic processes.
- 12.4 **Other Ecological Information**
 - 12.4.1 COD-Value, mg/g : n.av.
 - 12.4.2 BOD₅-Value, mg/g : n.av.
 - 12.4.3 AOX-Remarks : n.av.
 - 12.4.4 Significant Components : None
 - 12.4.5 Other adverse effects : n.av.

13 Disposal Considerations (For national Regulations refer to item 15.)

- 13.1 **Residues**
 - 13.1.1 Recommendation : D 5 Waste - Code - No. : 08 01 12
In addition comply with the regional authorities.
 - 13.1.2 Safe Handling: See item 7 and 15.
- 13.2 **Contaminated Packaging**
 - 13.2.1 Recommendation : Wash with suitable cleaner. Otherwise as described under Residues.
 - 13.2.2 Safe Handling : As described under Residues.

14 Transport Information

- 14.1 **Transportation by Road or Railway according to ADR/GGVS and RID/GGVE**
Remarks : not a dangerous substance as defined in the above regulations
 Class : Classification Code : Packing Group :
 Hazard-No. : UN-No. :
 - 14.1.1 **Instruction Concerning Shipper's Declaration and Packaging :**

Volume or Mass	Name and Description	Risklabel Packing - Code or instruction
- 14.2 **Classification for Transportation by Inland-Navigation according to ADNO/GGVBinSch**
Remarks : Classification has not been done.
 Class : Division : Category :
 - 14.2.1 **Description of Goods :**
 - 14.2.2 **Remarks :**
- 14.3 **Classification for Transportation by Vessels according to IMDG/GGVSee**
Remarks : not a dangerous substance as defined in the above regulations
 Class : UN-No. : Packing Group :
 14.3.1 **EmS-No. :** (MFAG-Table :)
 14.3.2 **Marine Pollutant :**
 14.3.3 **Instruction for Declaration and Labelling :**
 (Packing sizes with possible exemptions not considered)
Proper Shipping Name :
Risk Label :
 - 14.3.4 **Remarks :**

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Class : UN-No. : Packing Group :

14.4.1 Instruction for Declaration and Labelling :

(Packing sizes with possible exemptions not considered)

Proper Shipping Name :**Risk Label :**

Packing Instructions, Passenger : Cargo :

14.4.2 Remarks :**15 Regulatory Information****15.1 Classification according to EEC-Regulations :**

Classification required by EEC : No.

Applicable Exemptions :

Hazard Identification :

Hazard Symbol(s) :

Component(s) :

R-Phrases :**S-Phrases :**

(S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.)

Additional Markings :

15.1.1 The above mentioned labelling is valid for distribution to professional users.

Labelling (formats, exemptions, additional markings) has to be done according to respective regulations.

15.2 National Regulations

VOC-Content: n.av.

16 Other Information**R - phrases from section 2**

R36/38 - Irritating to eyes and skin.

R48/21 - Harmful: danger of serious damage to health by prolonged exposure in contact with skin.

This Material Safety Data Sheet relates to 2001/58/EEC and TRGS 220.

The statements in this Material Safety Data Sheet were made to the best of our knowledge and are as accurate as possible.

They are given for information only. They do not constitute a contractual guarantee of a product's properties. They must neither be altered nor transferred to other products.

Prepared by : Chemie & Vorschrift, Kannheideweg 35, D-53123 Bonn-Duisdorf, ☎ +49-228-74 81 824

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