

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 B (Powder)

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 &amp; Vorschrift, Kannheideweg 35, D-53123 Bonn-Duisdorf

### 1.4 Emergency - Telephone

Information Centre Specialising in Symptoms of Poisoning

Telephone : ++49 - 761 - 19 240

Emergency - Telephone of Company / Undertaking

Telephone : +49-6431-4008-0

## 2 Composition / Information on Ingredients

### 2.1 Chemical Characterisation:

Mixture of inorganic salts

### 2.2 Dangerous Ingredients:

CAS - No.	Index - No.	EEC - No.	Material	m% - range	Symbol	R - phrases
10034-76-1	n.av.	231-900-3	Calciumsulfate Alpha semihydrate	> 80%	n.ap.	n.ap.

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 irritation of susceptible persons. Dust may cause irritation of respiratory tract.

### 3.2 For the Environment :

May cause long-term adverse effects in the aquatic environment.

### 3.3 For Materials:

None

## 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 :

Rinse with water.

If symptoms persist, call a physician.

### 4.3 Eye Contact :

Flush eye(s) immediately with plenty of water.

If symptoms persist, call a physician.

### 4.4 Ingestion :

Clean mouth with water and drink afterwards plenty of water.

If symptoms persist, call a physician.

### 4.5 Note to Physician:

None

### 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 :** water Use dry chemical, CO<sub>2</sub>, water spray or "alcohol" foam.5.2 **Extinguishing Media to Avoid :** None5.3 **Fire and Explosion Hazards :**

In the event of fire irritant fumes may be formed.

5.4 **Additional Information :** The product itself does not burn. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.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. Avoid dust formation.

6.2 **Environmental Precautions and Methods for Cleaning up :**

Do not let product enter drains. Local authorities should be advised if significant spillages cannot be contained. Use mechanical handling equipment. Avoid dust formation. Sweep up and shovel into suitable containers for disposal.

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 :**

Use only in area provided with appropriate exhaust ventilation. Keep container tightly closed and dry.

7.1.2 **Precautions in Case of Fire and Explosion :**

No special precautions required.

7.2 **Storage**7.2.1 **Storage Instructions :**

Keep in a dry, cool place.

7.2.2 **Store away from :**

None

7.2.3 **Further Information on Storage Conditions :**

None

7.2.4 **Storage Class :** 13 (VCI - Concept)**8 Exposure Controls and Personal Protection**8.1 **Information on System Design :**

Provide appropriate exhaust ventilation at places where dust is formed. Provide personal protective equipment.

8.2 **Exposure Limits:**8.2.1 **Material**

Calciumsulfate Alpha semihydrate

**Limit Value :**6 mg/m<sup>3</sup>8.3 **Personal Protective Equipment**8.3.1 **General Protection and Hygiene :**

Do not breathe dust. Avoid contact with the skin and the eyes. Take off all contaminated clothing immediately. When using, do not eat, drink or smoke.

8.3.2 **Respiratory Protection :** Dust safety masks recommended where concentration is more than 10 mg/m<sup>3</sup>.8.3.3 **Hand Protection :** Protective gloves8.3.4 **Eye Protection :** Safety glasses8.3.5 **Skin Protection :** N.ap.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** : powder 9.1.2 **Colour** : beige 9.1.3 **Odour** : none**9.2 Safety Relevant Data**

9.2.1 pH-value, undiluted : n.ap., pH-value, 1% aqueous solution : 5,0 - 7,5  
 9.2.2 Boiling point / Boiling - range (°C) : Zersetzung, Melting point / Melting range (°C) : n.av.  
 9.2.3 Flash point (°C, c.c.) : n.ap.  
 9.2.4 Flammability (EEC A10/A13) : n.ap.  
 9.2.5 Ignition temperature (°C) : n.ap.  
 9.2.6 Autoflammability (EEC A16) : n.ap.  
 9.2.7 Oxidising properties : n.ap.  
 9.2.8 Explosion hazard : n.ap.  
 9.2.9 Explosion limits (Vol.%) lower : n.ap., upper : n.ap.  
 9.2.10 Vapour pressure : n.ap.  
 9.2.11 Density (g/ml) : 2,7 (Bulk 1,03)  
 9.2.12 Solubility (in Water) : ~ 2 g/l  
 9.2.13 Partition coefficient, n-Octanol/Water : n.av.  
 9.2.14 Viscosity : n.ap.  
 9.2.15 Solvent separation test : n.ap.  
 9.2.16 Solvent content (m %) : n.ap.

**9.3 Further Data**

9.3.1 Thermal decomposition (°C) : > 140°C  
 9.3.2 Vapour density (Air = 1) : n.ap.  
 9.3.3 Evaporation rate : n.ap.

**10 Stability and Reactivity**

10.1 **Conditions to Avoid** :  
Handle in accordance with good industrial hygiene and safety practice.  
 10.2 **Materials to Avoid** :  
Humid air  
 10.3 **Hazardous Decomposition Products** :  
Temperatures above 890°C: Sulphurous oxides (SO<sub>x</sub>), CaO  
 10.4 **Further Information** :  
None

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

Inhalation, LC<sub>50</sub> rat, (mg/l/4h) : n.av.  
 Ingestion, LD<sub>50</sub> rat, (mg/kg) : > 6000  
 Skin - contact, LD<sub>50</sub> rat, (mg/kg) : n.ap.  
 Irritation (to skin / eye) : Primary irritation: slight  
 Sensitisation : None

**11.1.2 Subacute / Chronic Toxicity :**

Carcinogenicity : None  
 Mutagenicity : None  
 Teratogenicity : None  
 Narcotic Effects : None

**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) :**  
n.av.
- 12.4 **Other Ecological Information**
- 12.4.1 COD-Value, mg/g : n.av.
- 12.4.2 BOD<sub>5</sub>-Value, mg/g : n.av.
- 12.4.3 AOX-Remarks : n.ap.
- 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 10 / R 2 (91/156 EG) Waste - Code - No. : 17 01 04  
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 :**

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**

n.ap.

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.

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