

Date of issue: 31.01.2008 Replaces Data Sheet of : 22.03.2007

\*\*\* alterations as compared to previous version; n.ap. = not applicable; n.av. = not available



**1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING**

**1.1 Identification of Substance or Preparation**

Trade Name : D705

Article No. : n.av.

Preparation No. : n.av.

Registration No. : n.av.

**1.2 Use of the substance / preparation:**

Adhesive

**1.3 Company / Undertaking 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, e-mail: n.av.

**1.3.2 Responsible :**

Chemie & Vorschrift, Kannheideweg 35, D-53123 Bonn-Duisdorf; E-Mail: info[at]chemie-vorschrift.de

**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 (08:30 - 16:30)

**2 HAZARDS IDENTIFICATION**

**2.1 For Humans (additional information is given under item 11) :**

May cause eye/skin irritation.

May be harmful if swallowed.

**2.2 For the Environment :**

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

**2.3 For Materials:**

n.av.

**3 COMPOSITION / INFORMATION ON INGREDIENTS**

**3.1 Chemical Characterisation:**

Mixture of synthetic resin dispersion, inorganic fillers, water and additives

**3.2 Dangerous Ingredients:**

CAS - No.	Index - No.	EEC - No.	Material	m% - range	Symbol	R - phrases
141-78-6	607-022-00-5	205-500-4	ethyl acetate	1 - 5%	F, Xi	R 11-36-66-67
124-17-4	n.av.	204-685-9	2-(2-butoxyethoxy)ethyl acetate	1 - 3%	Xn	R 36/38-48/21

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

**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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- 5.1 **Suitable Extinguishing Media :** Use dry chemical, CO<sub>2</sub>, 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 **Special Protective Equipment :**  
Wear positive pressure self-contained breathing apparatus.  
Wear full protective clothing.
- 5.5 **Additional Information :** None.

**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 oxidizing agents
- 7.2.3 **Further Information on Storage Conditions :**  
n.av.
- 7.3 **Specific use(s):**

**8 Exposure Controls and Personal Protection**

- 8.1 **Exposure limit values :**
- | <b>Material</b>                 | <b>Limit Value :</b> |
|---------------------------------|----------------------|
| ethyl acetate                   | TWA 200 ppm          |
| 2-(2-butoxyethoxy)ethyl acetate | skin resorptive      |
- 8.2 **Exposure controls**
- 8.2.1 **Occupational exposure controls:**  
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.
- 8.2.1a **Respiratory Protection :** Breathing apparatus only if aerosol or dust is formed.
- 8.2.1b **Hand Protection :** solvent-resistant gloves
- 8.2.1c **Eye Protection :** tightly fitting safety goggles
- 8.2.1d **Skin Protection :** None.
- 8.2.1e **Further Information :** Refer to special restrictions in wearing protective equipment
- 8.2.2 **Environmental exposure controls:** n.av.

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Telephone : +49-6431-4008-0, **Date of issue:** 31.01.2008 **Replaces Data Sheet of :** 22.03.2007**9 Physical and Chemical Properties****9.1 General information**9.1.1 **Form** : paste 9.1.2 **Colour** : various 9.1.3 **Odour** : alcoholic**9.2 Important health, safety and environmental information**

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.) : > 100  
 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 insoluble partly soluble 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 Other information**  
 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 oxidizing 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, LC<sub>50</sub> rat, (mg/l/4h) : n.av.  
 Ingestion, LD<sub>50</sub> rat, (mg/kg) : n.av.  
 Skin - contact, LD<sub>50</sub> 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 **Ecotoxicity :**  
n.av.
- 12.2 **Mobility :**  
n.av.
- 12.3 **Persistence and degradability:**  
The product is slightly soluble in water. It can be eliminated from water by abiotic processes.
- 12.4 **Bioaccumulative potential:**  
n.av.
- 12.5 **Results of PBT assessment**  
n.av.
- 12.6 **Other adverse effects**
- 12.6.1 COD-Value, mg/g : n.av.
- 12.6.2 BOD<sub>5</sub>-Value, mg/g : n.av.
- 12.6.3 AOX-Remarks : n.av.
- 12.6.4 Significant Components : None.
- 12.6.5 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 and RID

**Remarks : Not a dangerous substance as defined in the above regulations.**

**Name and Description:**

Class :	UN - No :	Risklabel:
Classification Code:	Packing Group :	Hazard-No.:
Transport-category:	Limited Quantity:	

### 14.2 Classification for Transportation by Inland-Navigation according to ADNO

**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

**Remarks : Not a dangerous substance as defined in the above regulations.**

Class :	UN-No. :	Packing Group :
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#### 14.3.1 **EmS-No. :**

#### 14.3.2 **Marine Pollutant :**

#### 14.3.3 **Instruction for Declaration and Labelling :**

**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 :****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 use.

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

**15.2 National Regulations**

VOC-Content: n.av.

**16 OTHER INFORMATION****Text of R phrases mentioned in Section 3**

R11 - Highly flammable.

R36/38 - Irritating to eyes and skin.

R36 - Irritating to eyes.

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

R66 - Repeated exposure may cause skin dryness or cracking.

R67 - Vapours may cause drowsiness and dizziness.

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 &amp; Vorschrift, Kannheideweg 35, D-53123 Bonn-Duisdorf, ☎ +49-228-74 81 824

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