

Date of issue: 14.05.2009 Replaces Data Sheet of : ---

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

Bona[™]**1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING****1.1 Identification of Substance or Preparation****Trade Name :** R880**Article No. :** n.av.**Preparation No. :** B227-V12**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) :

No hazards resulting from the material as supplied.

2.2 For the Environment :

No special environmental precautions required.

2.3 For Materials:

None.

3 COMPOSITION / INFORMATION ON INGREDIENTS**3.1 Chemical Characterisation:**

Mixture of synthetic resin, mineralic fillers and additives

3.2 Dangerous Ingredients:

CAS - No.	Index - No.	EEC - No.	Material	m% - range	Symbol	R - phrases
07.02.2768	n.av.	220-449-8	Trimethoxyvinylsilane	1 - 5%	Xn	R 10-20

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

4 FIRST AID MEASURES**4.1 Inhalation:**

Move to fresh air.

Consult a physician if necessary.

4.2 Skin Contact :

Wash off with soap and water.

Consult a physician if necessary.

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 if necessary.

4.5 Note to Physician:

Main symptoms: Daze, dizziness.

Aspiration may cause pulmonary oedema and pneumonitis.

4.6 Special Equipment:

n.av.

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5 FIRE FIGHTING MEASURES

- 5.1 **Suitable Extinguishing Media :** Use dry chemical, CO₂, water spray or "alcohol" foam.
- 5.2 **Extinguishing Media to Avoid :** high volume water jet
- 5.3 **Fire and Explosion Hazards :**
In the event of fire carbon oxides, respirable dust may be formed.
- 5.4 **Special Protective Equipment :**
Wear positive pressure self-contained breathing apparatus.
Wear full protective clothing.
- 5.5 **Additional Information :** Hose down gases, fumes and/or dust with water.

6 ACCIDENTAL RELEASE MEASURES

- 6.1 **Personal Precautions :**
See No. 8.2 Personal Protective Equipment. Ensure adequate ventilation. Contaminated surfaces will be extremely slippery.
- 6.2 **Environmental Precautions and Methods for Cleaning up :**
Do not allow material to contaminate ground water system. 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. Use only in well-ventilated areas.
 - 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 :**
Keep in a cool, well-ventilated place away from .? oxidizing agents
 - 7.2.3 **Further Information on Storage Conditions :**
Keep away from direct sunlight.
- 7.3 **Specific use(s):**

8 Exposure Controls and Personal Protection

- 8.1 **Exposure limit values :**

Material	Limit Value :
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- 8.2 **Exposure controls**
 - 8.2.1 **Occupational exposure controls:**
Avoid contact with the skin and the eyes. Remove and wash contaminated clothing before re-use. Do not breathe vapours/dust. When using do not eat, drink or smoke. Wash hands before breaks and at the end of workday.
 - 8.2.1a **Respiratory Protection :** In case of insufficient ventilation, wear suitable respiratory equipment.
Respirator with filter A
 - 8.2.1b **Hand Protection :** gloves (NBR)
 - 8.2.1c **Eye Protection :** tightly fitting safety goggles
 - 8.2.1d **Skin Protection :** protective suit
 - 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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9 Physical and Chemical Properties**9.1 General information**9.1.1 **Form** : liquid 9.1.2 **Colour** : off-white 9.1.3 **Odour** : acetone-like**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 : None.
 9.2.8 Explosion hazard : None.
 9.2.9 Explosion limits (Vol.%) lower : n.av., upper : n.ap.
 9.2.10 Vapour pressure : n.av.
 9.2.11 Density (g/ml) : ~ 1,4
 9.2.12 Solubility (in Water) : partly miscible Soluble in : Soluble in hydrocarbons
 9.2.13 Partition coefficient, n-Octanol/Water : n.av.
 9.2.14 Viscosity : n.av.
 9.2.15 Solvent separation test : n.ap.
 9.2.16 Solvent content (m %) : n.ap.

9.3 Other information
 9.3.1 Thermal decomposition (°C) : n.av.
 9.3.2 Vapour density (Air = 1) : Vapours are heavier than air and may spread along floors.
 9.3.3 Evaporation rate : n.av.

10 STABILITY AND REACTIVITY

10.1 **Conditions to Avoid** :
Handle in accordance with good industrial hygiene and safety practice.

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, LC₅₀ rat, (mg/l/4h) : n.av.
 Ingestion, LD₅₀ rat, (mg/kg) : n.av.
 Skin - contact, LD₅₀ rat, (mg/kg) : n.av.
 Irritation (to skin / eye) : None.
 Sensitisation : n.av.

11.1.2 Subacute / Chronic Toxicity :

Carcinogenicity : n.av.
 Mutagenicity : n.av.
 Teratogenicity : n.av.
 Narcotic Effects : None.

11.2 Practical Experience

11.2.1 Observations relevant for classification :
n.av.

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:**
Biological degradability
- 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 BOD₅-Value, mg/g : n.av.
- 12.6.3 AOX-Remarks : Exempt.
- 12.6.4 Significant Components : None.
- 12.6.5 Other adverse effects :

13 DISPOSAL CONSIDERATIONS (For national Regulations refer to item 15.)

- 13.1 **Residues**
- 13.1.1 Recommendation : D 10 / R 1 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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14.4 Classification for Transportation by Aeroplane according to IATA-DGR/ICAO-TI**Remarks : Not a dangerous substance as defined in the above regulations.**

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.

Hazard Identification :

Component(s) :

R-Phrases :

Applicable Exemptions :

Hazard Symbol(s) :

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**

R10 - Flammable.

R20 - Harmful by inhalation.

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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