

# SAFETY DATA SHEET

**Bona**<sup>®</sup>

Bona R860

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Identification of the substance or preparation

**Product name** : Bona R860  
**Product code** : Not available.  
**Product description** : Not available.

### Use of the substance/preparation

**Product use** : Adhesive.  
 None identified.

### Company/undertaking identification

**Manufacturer** : Bona GmbH  
 Jahnstrasse 12  
 D-65549 Limburg  
 DEUTSCHLAND  
 Tel. 06431-4008-0

**e-mail address of person responsible for this SDS** : marie.holmgren@bona.com

## 2. HAZARDS IDENTIFICATION

The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

### Classification according to Regulation (EC) 1907/2006 (REACH)

**Classification** : Not classified.

**Additional warning phrases** : Safety Data Sheet available for professional user on request.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances presenting a health or environmental hazard within the meaning of the Dangerous Substances Directive 67/548/EEC or assigned an occupational exposure limit.

Chemical name	CAS number	%	Number	Classification
Trimethoxyvinylsilane	2768-02-7	1 - 2.5	220-449-8	R10 Xn; R20 [1]
<b>See section 16 for the full text of the R-phrases declared above</b>				

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] PBT-substance

[4] vPvB-substance

**Occupational exposure limits, if available, are listed in section 8.**

## 4. FIRST AID MEASURES

### First aid measures

- General** : In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.
- Inhalation** : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
- Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use solvents or thinners.
- Eye contact** : Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open.
- Ingestion** : If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do not induce vomiting.

## 5. FIRE-FIGHTING MEASURES

- Extinguishing media** : Recommended: alcohol-resistant foam, CO<sub>2</sub>, powders, water spray.
- Extinguishing media not to be used** : Do not use water jet.
- Special exposure hazards** : Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required. Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses.

## 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Avoid breathing vapor or mist. Refer to protective measures listed in sections 7 and 8. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13).
- Environmental precautions** : Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.
- Methods for cleaning up** : Preferably clean with a detergent. Avoid using solvents.
- Note:** see section 8 for personal protective equipment and section 13 for waste disposal.

## 7. HANDLING AND STORAGE

- Handling** : Keep container tightly closed.  
Avoid contact with skin and eyes. Avoid inhalation of vapor, spray or mist.  
Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.  
Put on appropriate personal protective equipment (see section 8).  
Never use pressure to empty. Container is not a pressure vessel.  
Always keep in containers made from the same material as the original one.  
Comply with the health and safety at work laws.
- Storage** : Store in accordance with local regulations. Observe label precautions. Store in a dry, cool and well-ventilated area. Keep away from heat and direct sunlight.  
Keep away from sources of ignition. Keep away from: oxidizing agents, strong alkalis, strong acids.  
No smoking. Prevent unauthorized access. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Occupational exposure limits** : Not available.
- Exposure controls** : Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapors below the OEL, suitable respiratory protection must be worn.

### Occupational exposure controls

- Respiratory system** : If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators.
- Skin and body** : Personnel should wear antistatic clothing made of natural fibers or of high-temperature-resistant synthetic fibers.
- Hands**
- Gloves** : For prolonged or repeated handling, use the following type of gloves:

Recommended: nitrile rubber

Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.

The recommendation for the type or types of glove to use when handling this product is based on information from the following source:

The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.

- Eyes** : Use safety eyewear designed to protect against splash of liquids.
- Environmental exposure controls** : Do not allow to enter drains or watercourses.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical state** : Liquid. [Viscous liquid.]
- Odor** : Characteristic.
- Color** : White. [Light]
- Flash point** : Closed cup: >100°C (>212°F)
- Relative density** : 1,4
- Solubility** : Partially soluble in the following materials: cold water and hot water.

## 10. STABILITY AND REACTIVITY

- Conditions to avoid** : Stable under recommended storage and handling conditions (see section 7). When exposed to high temperatures may produce hazardous decomposition products.
- Materials to avoid** : Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.
- Hazardous decomposition products** : Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

## 11. TOXICOLOGICAL INFORMATION

### Toxicokinetics

- Absorption** : Not available.
- Distribution** : Contains material which may cause damage to the following organs: lungs, upper respiratory tract, skin, eye, lens or cornea.
- Metabolism** : Not available.
- Elimination** : Not available.

There is no data available on the preparation itself. The preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.  
If splashed in the eyes, the liquid may cause irritation and reversible damage.

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Trimethoxyvinylsilane	LC50 Inhalation Gas.	Rat	16,3 mg/m <sup>3</sup>	4 hours
	LD50 Dermal	Rabbit	3400 mg/kg	-
	LD50 Oral	Rat	>2000 mg/kg	-

**Conclusion/Summary** : Not available.

### Chronic toxicity

**Conclusion/Summary** : Not available.

### Carcinogenicity

**Conclusion/Summary** : Not available.

### Mutagenicity

**Conclusion/Summary** : Not available.

### Teratogenicity

**Conclusion/Summary** : Not available.

### Reproductive toxicity

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**Conclusion/Summary** : Not available.

## 12. ECOLOGICAL INFORMATION

There is no data available on the preparation itself.  
Do not allow to enter drains or watercourses.

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is not classified as dangerous for the environment.

### Aquatic ecotoxicity

Product/ingredient name	Result	Species	Exposure
Trimethoxyvinylsilane	Acute EC50 >100 mg/l	Daphnia	48 hours
	Acute IC50 >100 mg/l	Algae	72 hours
	Acute LC50 191 mg/l	Fish	96 hours

**Conclusion/Summary** : Not available.

### Ecological information

#### Persistence/degradability

**Conclusion/Summary** : Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Trimethoxyvinylsilane	-	-	Not readily

**PBT** : Not applicable.

**vPvB** : Not applicable.

## 13. DISPOSAL CONSIDERATIONS

Do not allow to enter drains or watercourses.  
Dispose of according to all federal, state and local applicable regulations.

**European waste catalogue (EWC)** : The European Waste Catalogue classification of this product, when disposed of as waste, is: 08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09. If this product is mixed with other wastes, this code may no longer apply. If mixed with other wastes, the appropriate code should be assigned. For further information, contact your local waste authority.

**Hazardous waste** : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

## 14. TRANSPORT INFORMATION

**Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

### Sea

- Special provisions** : Not available.  
**Marine pollutant** : No.

### Air

- Special provisions** : Not available.

This product is not regulated for carriage according to ADR/RID, IMDG, ICAO/IATA.

## 15. REGULATORY INFORMATION

- Chemical Safety Assessment** : This product contains substances for which Chemical Safety Assessments are still required.
- EU regulations** : The product is determined as not being dangerous according to the requirements of the DPD.
- Risk phrases** : This product is not classified according to EU legislation.
- VOC for Ready-for-Use Mixture** : Not applicable.
- Detergents - Regulation (EC) No 907/2006** : Not applicable.
- Europe inventory** : Not determined.
- Other EU regulations**
- Additional warning phrases** : Safety Data Sheet available for professional user on request.
- Additional warning phrases (CEPE)** : Not applicable.

The information in this Safety Data Sheet is required pursuant to Annex II to Regulation (EC) No 1907/2006.

## 16. OTHER INFORMATION

- CEPE Classification** : 8
- Full text of R-phrases referred to in sections 2 and 3 - Europe** : R10- Flammable.  
R20- Harmful by inhalation.
- Classification according to Regulation (EC) 1272/2008 (CLP)** : Not regulated.
- Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 24,6%  
 Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 26,8%

### Restrictions on use

None identified.

- Date of issue/ Date of revision** : 2011-01-12.
- Version** : 1

☑ Indicates information that has changed from previously issued version.

### Notice to reader

The information in this SDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.

**Annex**