



# VOLTECO Spa

## BI BOND A Component

Revision no. 3.0

Revision date 30/01/2018

Printed on 30/01/2018

Page no. 1 / 7

### SECTION 1. Identification of the substance/preparation and of the company/undertaking

#### 1.1 Product identifier

Name **BI BOND Component A**

#### 1.2. Identified relevant uses of the substance or mixture and non-recommended uses

Description/Use **Epoxy plaster**

#### 1.3. Supplier information of the safety data sheet

Company Name **VOLTECO Spa**  
Address **Via delle Industrie, 47**  
District and Country **31050 Ponzano Veneto (TV) - IT**  
Telephone **+39 0422 9663**  
Fax **+39 0422 966401**  
e-mail address of the person in charge of the safety data sheet **volteco@volteco.it**

#### 1.4. Emergency telephone number

For urgent enquiries, please contact **+39 0422 9663**

### SECTION 2. Hazards identification

#### 2.1 Classification of the substance or mixture

Product definition **Mixture**

The product is classified as dangerous pursuant to the provisions stipulated in EC Regulation No. 1272/2008 (CLP) as amended. The product requires a safety data sheet that complies with the provisions of EC Regulation No. 1907/2006 and subsequent amendments.

Any additional information concerning the risks for health and/or the environment are given in Sections 11 and 12 of this data sheet.

##### 2.1.1 EC Regulation No. 1272/2008 as amended

##### Classification and hazard statements

<b>Eye Irrit. 2</b>	<b>H319</b>	Causes serious eye irritation.
<b>Skin Irrit. 2</b>	<b>H315</b>	Causes skin irritation.
<b>Skin Sens. 1</b>	<b>H317</b>	May cause an allergic skin reaction.
<b>Aquatic Chronic 2</b>	<b>H411</b>	Toxic to aquatic organisms with long-term effects

#### 2.2 Label elements

Hazard labelling pursuant to EC Regulation No. 1272/2008 (CLP) as amended.

##### Hazard pictograms



Warnings **Irritant - Hazardous for the environment**

##### Hazard statements

<b>H319</b>	Causes serious eye irritation.
<b>H315</b>	Causes skin irritation.
<b>H317</b>	May cause an allergic skin reaction.
<b>H411</b>	Toxic to aquatic organisms with long-term effects
<b>EUH205</b>	Contains epoxy constituents. May cause an allergic reaction.

##### Precautionary tips

<b>P264</b>	Wash hands before breaks and at the end of the work shift.
<b>P273</b>	Do not release into the environment.
<b>P280</b>	Wear protective gloves/clothing, protect eyes/face.
<b>P302+P352</b>	IN CASE OF SKIN CONTACT: wash with plenty of water and soap.
<b>P333+P313</b>	In case of irritation or a rash, seek medical attention.
<b>Contains</b>	Reaction product: bisphenol A-epichlorohydrin and epoxy resin (molecular weight < = 700) Reaction product: bisphenol F-epichlorohydrin and epoxy resin (molecular weight < = 700)



# VOLTECO Spa

## BI BOND A Component

Revision no. 3.0

Revision date 30/01/2018

Printed on 30/01/2018

Page no. 2 / 7

oxirane, mono C12-14 alkyloxy methyl derivatives.

**Special provisions according to Annex XVII of the REACH Regulation and subsequent amendments**

None

### 2.3 Other hazards

vPvB substances: none - PBT substances: none

## SECTION 3. Composition/information on ingredients

### 3.1 Substance/Mixture

**Mixture** Modified epoxy resin and mineral loads

Declaration of the ingredients in accordance with EC Regulation No. 1272/2008 (CLP)

Name	CAS	EC	%	Classification
<b>Hazardous component</b>				
Reaction product bisphenol-A-epichlorohydrin and epoxy resin (molecular weight $\leq 700$ ) REACH Reg. n.: 01-2119456619-26	25068-38-6	500-033-5	15 < = C < 35	Eye Irrit. 2, H319 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411
Reaction product bisphenol-F-epichlorohydrin and epoxy resin (molecular weight $\leq 700$ )	9003-36-5	500-006-8	4 < = C < 6	Eye Irrit. 2, H319 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411
Oxirane C12 - C14 alkyl glycidyl ether REACH Reg. No.: 01-21194852289-22	68609-97-2	271-846-8	4 < = C < 6	Skin Irrit. 2, H315 Skin Sens. 1, H317

## SECTION 4. First aid measures

### 4.1 Description of the first aid measures

<b>Contact with skin</b>	Wash immediately with plenty of water and soap. Remove the contaminated clothing and dispose of them in a safe manner.
<b>Contact with eyes</b>	Wash immediately with plenty of water for a suitable amount of time. Remove any contact lenses. Call an ophthalmologist.
<b>Swallowing</b>	Do not induce vomiting. Call a doctor immediately.
<b>Inhalation</b>	Take the affected individual outdoors. If symptoms persist, seek medical attention.

### 4.2 Main symptoms and effects, both acute and delayed

#### Potentially acute effects on health

<b>Contact with skin</b>	May cause inflammation and sensitisation.
<b>Contact with eyes</b>	May cause irritations that can last up to 24 hours.
<b>Swallowing</b>	Irritation of the mucous membranes of the throat and stomach.
<b>Inhalation</b>	No known significant effects or critical hazards.

### 4.3 Indication of any immediate medical attention and special treatment needed

In case of accident or illness, call a doctor and show him/her the safety data sheet.

There are no specific treatments.

## SECTION 5. Fire-fighting measures

### 5.1 Extinguishing agents

<b>Suitable extinguishing agents</b>	CO <sub>2</sub> , foam, powder. Cool the containers that are exposed to the fire with water.
<b>Unsuitable extinguishing agents</b>	None known.

### 5.2 Risks from combustion

Avoid breathing in the fumes, gases and vapours produced by combustion.

During combustion, toxic gases such as nitrous gases, carbon oxide, etc... may develop

### 5.3 Recommendations for those in charge of putting out fires

	<b>VOLTECO Spa</b>	Revision no. 3.0
		Revision date 30/01/2018
	<b>BI BOND A Component</b>	Printed on 30/01/2018
		Page no. 3 / 7

#### **Special protective actions**

Promptly isolate the area and remove all people. Move unaffected containers to a safe zone. Collect the water used for extinguishing in specific containers, do not release it into the sewers.

#### **Protective clothing**

Use suitable clothing, gloves and full face mask. Work with suitable breathing apparatus.

## **SECTION 6. Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Wear personal protective equipment.

Move people to a safe place.

### **6.2 Environmental precautions**

Contain the spread with sand or inert absorbent material.

Keep the product away from drains, surface and ground water; if the product is released into watercourses, sewers or if it contaminates the soil and vegetation, notify the competent authorities.

### **6.3 Methods and materials for containment and cleaning up**

Absorb with inert materials and eliminate according to the law.

Wash with water and detergents.

### **6.4 Reference to other sections**

Refer to Chapter 7 for information on safe handling.

Refer to Chapter 8 for information on personal protective equipment.

Refer to Chapter 13 for information on disposal.

## **SECTION 7. Handling and storage**

### **7.1 Precautions for safe handling**

#### **Protective measures**

Avoid contact with skin and eyes. Avoid inhaling vapours. Work with the individual precautions set forth in Point 8. Do not eat or drink whilst working. Contaminated clothing must be replaced before accessing the lunch areas. Do not use empty containers before they have been cleaned.

### **7.2 Conditions for safe storage, including any incompatibility**

Store in closed recipients in a cool place.

Keep away from food, beverages and feed.

Indications for rooms: operate in a duly-aerated site.

Incompatible materials: None.

### **7.3 Specific end uses**

No additional information for specific end uses (see Section 1.2).

## **SECTION 8. Exposure control/personal protection**

### **8.1 Control parameters**

DNEL exposure limit values: Not available.

PNEC exposure limit values: Not available.

### **8.2 Exposure controls**

#### **Hand protection**

Wear suitable gloves.

#### **Eye protection**

Use airtight goggles and suitable full face protection, in case of the possibility of droplets or leaks.

#### **Respiratory protection**

Not necessary for normal use. Always use with suitable ventilation. All of the personal protection equipment must comply with the relative EC standards (such as EN 374 for gloves, EN 166 for glasses), keeping them suitably efficient and preserved.

#### **Skin protection**

Work wearing suitable clothing that guarantees total protection of the skin.

## **SECTION 9. Physical and chemical properties**

### **9.1 Information on the basic physical and chemical properties**

Description	Values
Physical state	Dense paste
Colour	Various
Odour	Characteristic
Boiling point	Not available.



# VOLTECO Spa

## BI BOND A Component

Revision no. 3.0

Revision date 30/01/2018

Printed on 30/01/2018

Page no. 4 / 7

Description	Values
Flash point	Not flammable
Density	1.5/1.6 a 25 °C
Solubility in water	Non-soluble
Solubility in organic solvents	Alcohols, glycol ethers, ketones
Viscosity	ca 2000000 mPa a 25 °C
Specific weight of the vapours	Not available.
Flammability limit in the air	Not available.
Auto-ignition temperature	Not available.

### SECTION 10. Stability and reactivity

#### 10.1 Reactivity

Stable under normal conditions.

#### 10.2 Chemical stability

Stable under normal conditions.

#### 10.3 Possibility of hazardous reactions

Possibility of hazardous reactions.

May ignite in contact with strong oxidising agents.

#### 10.4 Conditions to be avoided

The product is stable under normal conditions of use and storage.

#### 10.5 Incompatible materials

Amines, acids and strong oxidants.

#### 10.6 Hazardous decomposition products

In case of fire, evaporated carbon oxides and vapours may be released that can be hazardous to health.

### SECTION 11. Toxicological information

#### 11.1 Information on toxicological effects

##### Channel of penetration

Swallowing	Yes
Inhalation	Yes
Contact:	Yes

##### Toxicological information on the product

There is no available toxicological data on the mixture as such.

Note the concentration of the hazardous substances in order to evaluate the toxicological effects deriving from exposure to the preparation.

##### Toxicological information on the main substances contained in the preparation

##### Acute toxicity:

Name of product/ingredient	CAS	Result	Species	Dose	Exposure
Liquid epoxy resins with M.W. < 700	25068-38-6	Rat	> 15000 mg/kg	-	LD50 Oral
	25068-38-6	Rabbit	> 23000 mg/kg	-	LD50 Dermal
Oxirane, mono[(C12-14- alchilossi)metil] derivatives	68609-97-2	Rat	> 19200 mg/kg	-	LD50 Oral
	68609-97-2	Rabbit	> 4500 mg/kg	-	LD50 Dermal

##### Corrosivity/Irritancy

Skin	The product may cause irritation.
Eyes	The product may cause irritation.

##### Sensitising power

Possible due to repeated contacts.

##### Carcinogenicity

There are no known critical effects or hazards.



# VOLTECO Spa

## BI BOND A Component

Revision no. 3.0

Revision date 30/01/2018

Printed on 30/01/2018

Page no. 5 / 7

### Mutagenesis

There are no known critical effects or hazards.

### Teratogenicity

There are no known critical effects or hazards.

### Effects on development

There are no known critical effects or hazards.

### Effects on fertility

There are no known critical effects or hazards.

## SECTION 12. Ecological information

Use the product according to the directions set forth in the technical data sheet.

Do not release the product into the environment.

### 12.1 Ecotoxicity

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 12.2 Persistence and degradability

Information not available.

### 12.3 Bioaccumulative potential

Information not available.

### 12.4 Mobility in the soil

Information not available.

### 12.5 Results of the PBT and vPvB evaluation

Based on available data, the product does not contain PBT or vPvB substances in percentages exceeding 0.1%.

### 12.6 Other adverse effects

Information not available.

## SECTION 13. Disposal considerations

### 13.1 Waste processing methods

Recover, if possible.

Work in accordance with the local and national provisions in force.

Dispose of this material and relative containers in a hazardous or special waste collection point.

Do not release into the environment.

Refer to the special instructions/safety data sheets 91/156/EC, 91/689/EC, 94/62/EC and subsequent amendments.

Disposal of hardened product: code CER 08 04 10.

Disposal of non-hardened product: code CER 08 04 09.

### 13.2 Contaminated packaging

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

## SECTION 14. Transport information

### ADR/RID - ADN/RID IMDG IATA

-	ADR/RID - ADN/RID	IMDG	IATA
14.1 UN number	3082	3082	3082
14.2 UN Shipping name	Hazardous liquid product n.o.s. (epoxy resins)	Hazardous liquid product n.o.s. (epoxy resins)	Hazardous liquid product n.o.s. (epoxy resins)
14.3 Hazard classes	9	9	9
14.4 Packaging groups	III	III	III
14.5 Hazardous for the environment Marine Pollutant	Yes	Yes	Yes
14.6 Special precautions	N.A.	N.A.	N.A.
Further information	Tunnel code: E	Emergency plan: F-A/S-F	Emergency plan: F-A/S-F
14.7 Bulk transport according to Annex II of MARPOL 73/78 and the IBC Code	N.A.	N.A.	N.A.



# VOLTECO Spa

## BI BOND A Component

Revision no. 3.0

Revision date 30/01/2018

Printed on 30/01/2018

Page no. 6 / 7

### SECTION 15. Regulatory information

#### 15.1 Specific standards and regulations on health, safety and environment for the substance or mixture

##### Health controls

Lgs. D. 03/02/1997 No. 52 - Classification, packaging and labelling of hazardous substances.

Lgs. D. 14/03/2003 No. 65 - Classification, packaging and labelling of hazardous substances

Lgs. D. 09/04/2008 No. 81

M.D. Work 26/02/2004 (Occupational limits of exposure)

M.D. 03/04/2007 (Implementation of Directive No. 8/2006/EC)

EC Regulation No. 1907/2006 (REACH)

EC Regulation No. 1272/2008 (CLP)

EC Regulation No. 790/2009 (I Atp. CLP)

EC Regulation No. 453/2010 (Annex 1)

Restrictions relative to the product or the substances contained based on Annex XVII of EC Regulation No. 1907/2006 (REACH) and subsequent amendments: None.

EC Regulation No. 1907/2006 (REACH), Art. 59 (Substances in Candidate List): N.A.

Directive No. 1999/45/EC (Hazardous preparations) as amended

EC Regulation No. 1272/2008 (CLP) as amended

Directive No. 105/2003/EC (Seveso III): N.A.

Directive No. 67/548/EC (Substances) as amended

Lgs. D. 09/04/2008 No. 81 - Title IX "Hazardous Substances" - Paragraph I - Protection against chemical agents

Directive No. 2000/39/EC (Occupational limits of exposure) as amended

Lgs. D. 03/04/2006 No. 152 - Environmental Consolidated Act as amended

VOC (2004/42/EC): N.A.

#### 15.2 Chemical safety assessment

No chemical safety assessment has been conducted for the mixture and the substances contained in it.

### SECTION 16. Other information

Text of hazard (H) phrases mentioned in Sections 2-3 of the data sheet:

<b>Hazard statements</b>	H315	Causes skin irritation.
	H317	May cause an allergic skin reaction.
	H319	Causes serious eye irritation.
	H412	Harmful to aquatic life with long-term effects.
	H373	May cause damage to organs in the event of prolonged or repeated exposure.
	H302	Harmful if swallowed.
	H312	Harmful in contact with skin.
	H332	Harmful if inhaled.

#### Integral texts of the classifications [CLP/GHS]

Xi Irritant

#### Abbreviations and acronyms

- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
- CAS NUMBER: Chemical Abstract Service NUMBER
- CLP: Classification, Labelling, Packaging (EC Regulation No. 1272/2008)
- DNEL: Derived no effect level
- EINECS: European Inventory of existing Commercial Chemical substances
- GefStoffVO: Ordinance on hazardous substances in Germany
- GHS: Global harmonised system to classify and label Chemical products
- IATA: International Air transport Association
- IATA DGR: Regulations to transport Dangerous Goods of the International Air transport Association
- ICAO: International Civil Aviation Organization
- ICAO-TI: Technical Instructions of the "International Civil Aviation Organization"
- IMDG: International maritime code for transport of Dangerous Goods
- LC50: Lethal concentration for 50% of the test population
- LD50: Lethal dose for 50% of the test population
- LTE: Long-term exposure
- PNEC: Predicted no-effect concentration



# VOLTECO Spa

## BI BOND A Component

Revision no. 3.0

Revision date 30/01/2018

Printed on 30/01/2018

Page no. 7 / 7

- RID: Regulations concerning the International Carriage of Dangerous Goods by Rail

- STE: Short-time exposure

- STEL: Short-time exposure limit

- STOT: specific organ Toxicity

- TLV: occupational exposure threshold limit value

- TWA: 8-hour time-weighted average exposure limit

- OEL: EU occupational exposure limit value

- VLE: occupational exposure limit value

- WGK: water hazard class in Germany

- N.A.: Not applicable.

- N.D.: Not available

This safety data sheet was developed in compliance with Annex II - Guide to the compilation of Safety Data Sheets of Regulation (EC) No. 1907/2006 - Regulation (EC) No. 453/2010.

The information contained herein is based on our knowledge at the above date.

These refer solely to the indicated product and do not constitute a guarantee of particular quality.

The user is required to ensure the suitability and completeness of this information in relation to the specific intended use.

This sheet supersedes and replaces any previous edition.