



TOPELASTIC K2 COMP B  
Code: 101903

Ref.: Q.5.12.03.16

Revision: 2 Revision: 11/07/2012

Prevoius revision: 13/09/2011

**SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

- 1.1 PRODUCT IDENTIFIER: TOPELASTIC K2 COMP B  
Code: 101903
- 1.2 RELEVANT IDENTIFIED USES AND USES ADVISED AGAINST:  Industrial  Professional  Consumers  
Intended uses (main technical functions):  
Mortar bi-component elastic, waterproof and passable.  
Uses advised against:  
As there is not classified as dangerous, this product can be used in ways other than the identified uses, but all uses have to be consistent with the safety guidelines provided.
- 1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:  
TOPECA - Produtos Construção Civil, Lda.  
Rua Dom Nunes Alves Pereira 53 - 2490-115 Cercal Ourém VNO (Portugal)  
Phone: +351 249580070 - Fax: +351 249580079  
E-mail address of the person responsible for the safety data sheet:  
e-mail: andreaia@topeca.com
- 1.4 EMERGENCY TELEPHONE NUMBER: +351 249580070 (9:00-12:30 / 14:00-18:30 h.) (working hours)

**SECTION 2 : HAZARDS IDENTIFICATION**

- 2.1 CLASSIFICATION OF THE MIXTURE:  
This product is not classified as dangerous. in accordance with Directive 1999/45/EC~2006/8/EC
- 2.2 LABEL ELEMENTS:  

This product does not require pictograms, in accordance with Directive 67/548/EEC~2009/2/EC and 1999/45/EC~2006/8/EC

R-phrases:  
None.

S-phrases:  
S2 Keep out of reach of children.  
S51 Use only in well-ventilated areas.

Dangerous ingredients:  
None.
- 2.3 OTHER HAZARDS:  
Not applicable.



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**SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS**

3.1 SUBSTANCES:  
Not applicable.

3.2 MIXTURES:  
This product is a mixture.  
Chemical description:  
Polímero sintético em dispersão aquosa e aditivos específicos.  
Dangerous ingredients:  
Substances taking part in a percentage higher than the exemption limit:

None

For more information, see sections 8, 11 and 12.

Substances SVHC subject to authorisation, included in Annex XIV of Regulation (EC) no. 1907/2006:

None

Substances SVHC candidate to be included in Annex XIV of Regulation (EC) no. 1907/2006:

None



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**SECTION 4 : FIRST AID MEASURES**

4.1 DESCRIPTION OF FIRST-AID MEASURES AND MAIN SYMPTOMS AND EFFECTS, ACUTE AND DELAYED:

4.2



When in doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Route of exposure	Symptoms and effects, acute and delayed	Description of first-aid measures
<u>Inhalation:</u>	Normally does not produce symptoms.	Should there be any symptoms, transfer the person affected to the open air.
<u>Skin:</u>	Normally does not produce symptoms.	Remove contaminated clothing. Wash thoroughly the affected area with plenty of cold or lukewarm water and neutral soap, or use a suitable skin cleanser.
<u>Eye:</u>	Normally does not produce symptoms.	Remove contact lenses. Rinse eyes copiously by irrigation with plenty of clean, fresh water, holding the eyelids apart. Call a physician immediately.
<u>Ingestion:</u>	If swallowed in high doses, may cause gastrointestinal disturbances.	If swallowed, seek immediate medical attention. Do not induce vomiting, due to the risk of aspiration. Keep the patient at rest.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

Not available.

**SECTION 5 : FIRE-FIGHTING MEASURES**

5.1 EXTINGUISHING MEDIA:

In the case of fire in the surroundings, all extinguishing agents are allowed.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

As consequence of combustion or thermal decomposition, hazardous products may be produced: carbon monoxide, carbon dioxide. Exposure to combustion or decomposition products may be a hazard to health.

5.3 ADVICE FOR FIREFIGHTERS:

- Special protective equipment: Depending on magnitude of fire, heat-proof protective clothing may be required, appropriate independent breathing apparatus, gloves, protective glasses or face masks and boots.
- Other recommendations: Cool with water the tanks, cisterns or containers close to sources of heat or fire. Bear in mind the direction of the wind. Do not allow fire-fighting residue to enter drains, sewers or water courses.

**SECTION 6 : ACCIDENTAL RELEASE MEASURES**

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

Avoid direct contact with this product. Avoid breathing vapours.

6.2 ENVIRONMENTAL PRECAUTIONS:

Avoid contamination of drains, surface or subterranean water and soil. In the case of large scale spills or when the product contaminates lakes, rivers or sewages, inform the appropriate authorities in accordance with local regulations.

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:

Contain and mop up spills with absorbent materials (sawdust, earth, sand, vermiculite, diatomaceous earth, etc..). Keep the remains in a closed container.

6.4 REFERENCE TO OTHER SECTIONS:

For exposure controls and personal protection measures, see section 8.  
For subsequent waste disposal, follow the recommendations in section 13.



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**SECTION 7 : HANDLING AND STORAGE**

**7.1** PRECAUTIONS FOR SAFE HANDLING:  
Comply with the existing legislation on health and safety at work.  
General recommendations:  
Avoid any type of leakage or escape. Keep the container tightly closed.  
Recommendations for the prevention of fire and explosion risks:  
Not applicable.  
Recommendations for the prevention of toxicological risks:  
Do not eat, drink or smoke while handling. After handling, wash hands with soap and water. For exposure controls and personal protection measures, see section 8.  
Recommendations for the prevention of environmental contamination:  
It is not considered a danger to the environment. In the case of accidental spillage, follow the instructions indicated in section 6.

**7.2** CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:  
Prevent unauthorized access. Keep out of reach of children. Keep away from sources of heat. If possible, avoid direct contact with sunlight. In order to avoid leakages, the containers, after use, should be closed carefully and placed in a vertical position. For more information, see section 10.  
Class of store : According to current legislation.  
Maximum storage period : 12. months  
Temperature interval : min: 5. °C, max: 30. °C  
Incompatible materials:  
Keep away from oxidizing agents.  
Type of packaging:  
According to current legislation.  
Limit quantity (Seveso III): Directive 96/82/EC~2003/105/EC:  
Not applicable.

**7.3** SPECIFIC END USES:  
For the use of this product do not exist particular recommendations apart from that already indicated.



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**SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION**

8.1 CONTROL PARAMETERS:  
Occupational Exposure Limit Values (TLV) AGCIH-2009:  
 Not available.  
Biological Limit Values:  
 Not available  
Derived no-effect level (DNEL) for general population:  
 Not available  
Predicted no-effect concentration (PNEC):  
 Not available

8.2 CONTROLES DE EXPOSICIÓN:  
OCUPATIONAL EXPOSURE CONTROLS: Directive 89/686/EEC~96/58/EC:  
 Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction.  
Protection of respiratory system:  
 Avoid the inhalation of vapours.  
 - Mask: Advisable.  
Protection of eyes and face:  
 Install emergency eye baths close to the working area.  
 - Goggles:  
 Safety goggles designed to protect against liquid splashes, with suitable lateral protection (EN166).  
 - Face shield: No.  
Protection of hands and skin:  
 Install emergency showers close to the working area. Barrier creams may help to protect the exposed areas of the skin. Barrier creams should not be applied once exposure has occurred.  
 - Gloves:  
 Gloves resistant against chemicals (EN374). The breakthrough time of the selected glove material should be in accordance with the pretended period of use. There are several factors (for example, temperature), they do in practice the period of use of a protective gloves resistant against chemicals is clearly lower than the established standard EN374. Due to the wide variety of circumstances and possibilities, we must have in mind the manual of instructions from manufacturers of gloves. The gloves should be immediately replaced when any sign of degradation is noted.  
 - Boots: No.  
 - Apron: No.  
 - Clothing: Advisable.  
ENVIRONMENTAL EXPOSURE CONTROLS:  
 Avoid any spillage in the environment. Avoid any release into the atmosphere.  
Spills on the soil: Prevent contamination of soil.  
Spills in water: Do not allow to escape into drains, sewers or water courses.  
Emissions to the atmosphere: Because of volatility, emissions to the atmosphere while handling and use may result. Avoid any release into the atmosphere.





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**SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:**

Appearance

- Physical state : Liquid.
- Colour : Grey.
- Odour : Characteristic
- Odour threshold : Not available

pH-value

- pH : 7. at 20°C

Change of state

- Freezing point : Not available
- Initial boiling point : Not applicable

Density

- Specific gravity : 1.08 g/cm<sup>3</sup> at 20°C

Stability

- Decomposition temperature : Not applicable

Viscosity:

- Viscosity (flow time) : Not applicable

Volatility:

- Vapour pressure : Not applicable
- Vapour pressure : 12.3 kPa at 50°C

Solubility(ies)

- Solubility in water: : Not applicable
- Solubility in oils and fats: : Not available
- Partition coefficient: n-octanol/water : Not applicable

Flammability:

- Flash point : Not flammable
- Autoignition temperature : Not applicable

Explosive properties:

Not applicable.

Oxidizing properties:

Not applicable.

**9.2 OTHER INFORMATION:**

- Heat of combustion : 2287. Kcal/kg
- VOC (supply) : 0.3 g/l

The values indicated do not always coincide with the product specifications. The data for the product specifications can be found in the technical data sheet of the same. For additional information concerning physical and chemical properties related to safety and environment, see sections 7 and 12.



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**SECTION 10 : STABILITY AND REACTIVITY**

10.1	<u>REACTIVITY:</u> Not available.
10.2	<u>CHEMICAL STABILITY:</u> Stable under recommended storage and handling conditions.
10.3	<u>POSSIBILITY OF HAZARDOUS REACTIONS:</u> Possible dangerous reaction with oxidizing agents.
10.4	<u>CONDITIONS TO AVOID:</u> - Heat: Keep away from sources of heat. - Light: If possible, avoid direct contact with sunlight. - Air: Not applicable. - Pressure: Not applicable. - Shock: Not applicable.
10.5	<u>INCOMPATIBLE MATERIALS:</u> Keep away from oxidizing agents.
10.6	<u>HAZARDOUS DECOMPOSITION PRODUCTS:</u> As consequence of thermal decomposition, hazardous products may be produced: carbon monoxide.

**SECTION 11 : TOXICOLOGICAL INFORMATION**

No experimental toxicological data on the preparation is available. The toxicological classification for these preparation has been carried out by using the conventional calculation method of the Directive 1999/45/EC~2006/8/EC.

11.1	<p><u>INFORMATION ON TOXICOLOGICAL EFFECTS:</u>  <u>Routes of exposure:</u>  <u>Short-term exposure:</u>  <u>Long-term or repeated exposure:</u></p> <p><u>DOSE AND LETHAL CONCENTRATIONS</u>  for individual ingredients :  Not available</p>
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**SECTION 12 : ECOLOGICAL INFORMATION**

No experimental ecotoxicological data on the preparation as such is available. The ecotoxicological classification for these preparation has been carried out by using the conventional calculation method of the Directive 1999/45/EC~2006/8/EC.

12.1	<u>TOXICITY:</u> for individual ingredients : Not available
12.2	<u>PERSISTENCE AND DEGRADABILITY:</u> Not available.
12.3	<u>BIOACCUMULATIVE POTENTIAL:</u> Not available.
12.4	<u>MOBILITY IN SOIL:</u> Not available.
12.5	<u>RESULTS OF PBT AND MPMB ASSESMENT:</u> Not available.
12.6	<u>OTHER ADVERSE EFFECTS:</u> <u>Ozone depletion potential:</u> Not available. <u>Photochemical ozone creation potential:</u> Not available. <u>Earth global warming potential:</u> Not available. <u>Endocrine disrupting potential:</u> Not available.

**SECTION 13 : DISPOSAL CONSIDERATIONS**

13.1	<u>WASTE TREATMENT METHODS:</u> Directive 2008/98/EC: Take all necessary measures to prevent the production of waste whenever possible. Analyse possible methods for revaluation or recycling. Do not discharge into drains or the environment, dispose of at an authorised waste collection point. Waste should be handled and disposed of in accordance with current local and national regulations. For exposure controls and personal protection measures, see section 8.  <u>Disposal of empty containers:</u> Directive 94/62/EC~2005/20/EC, Decision 2000/532/EC: Emptied containers and packaging should be disposed of in accordance with currently local and national regulations.  <u>Procedures for neutralising or destroying the product:</u> Authorised landfill in accordance with local regulations.
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**SECTION 14 : TRANSPORT INFORMATION**

14.1	<u>UN NUMBER:</u> Not applicable
14.2	<u>UN PROPER SHIPPING NAME:</u> Not applicable
14.3 14.4	<u>TRANSPORT HAZARD CLASS(ES) AND PACKING GROUP:</u> <u>Transport by road (ADR 2011):</u> <u>Transport by rail (RID 2011):</u> Free  <u>Transport by sea (IMDG 35-10):</u> Free  <u>Transport by air (ICAO/IATA 2011):</u> Free  <u>Transport by inland waterways (ADN):</u> Free.
14.5	<u>ENVIRONMENTAL HAZARDS:</u> Not applicable.
14.6	<u>SPECIAL PRECAUTIONS FOR USER:</u> Not applicable.
14.7	<u>TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE:</u> Not applicable.

**SECTION 15 : REGULATORY INFORMATION**

15.1	<u>EU SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC:</u>  <u>RESTRICTIONS:</u> <u>Restrictions on manufacture, placing on market and use, according to Annex XVII of Regulation (EC) No. 1907/2006:</u> Not applicable. <u>Recommended restrictions on use:</u> Not applicable.  <u>OTHER REGULATIONS:</u> Not available
15.2	<u>CHEMICAL SAFETY ASSESSMENT:</u> Not available.



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**SECTION 16 : OTHER INFORMATION**

16.1 TWXR OF THE PHRASES AND NOTES REFERENCED IN SECTIONS 2 AND/OR 3:  
Not applicable.

MAIN LITERATURE REFERENCES AND SOURCES FOR DATA:

MATERIAL SAFETY DATA SHEET REGULATIONS:

Material Safety Data Sheet in accordance with Article 31 of Regulation (EC) No. 1907/2006 (REACH) and Annex I of Regulation (EU) No. 453/2010.

HISTORY:

Revision:

Revision: 1            13/09/2011  
Revision: 2            11/07/2012

The information of this Material Safety Data Sheet, is based on the present state of knowledge and on current UE and national laws, as the users' working conditions are beyond our knowledge and control. The product is not to be used for other purposes than those specified, without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation. The information in this Material Safety Data Sheet is meant as a description of the safety requirements of the product and it is not to be considered as a guarantee of the product's properties.