



BE SURE. BUILD SURE.

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 17.12.2020



Revision: 17.12.2020

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier
- Trade name **Zentrival FM**
- 1.2 Relevant identified uses of the substance or mixture and uses advised against *Joint mortar/grout*
- Application of the substance / the mixture *Joint mortar/grout*
- 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier: *MC Bauchemie India PVT ltd
Plot No 148 149
Kundaim Industria Estate
Kundaim, Goa 403115, India*
- Informing department: *msds@mc-bauchemie.com*
- 1.4 Emergency telephone number: *+918322395028*

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008
*Skin Irrit. 2 H315 Causes skin irritation.
Eye Dam. 1 H318 Causes serious eye damage.
STOT SE 3 H335 May cause respiratory irritation.*
- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008 *The product is classified and labelled according to the CLP regulation.*
- Hazard pictograms

	
GHS05	GHS07
- Signal word *Danger*
- Hazard-determining components of labelling: *Cement, portland, chemicals
Cr(VI)<2ppm*
- Hazard statements *H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.*
- Precautionary statements

<i>P261</i>	<i>Avoid breathing dust/fume/gas/mist/vapours/spray.</i>
<i>P305+P351+P338</i>	<i>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</i>
<i>P310</i>	<i>Immediately call a POISON CENTER/doctor.</i>

(Contd. on page 2)



BE SURE. BUILD SURE.

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 17.12.2020

Revision: 17.12.2020

Trade name Zentrival FM

(Contd. of page 1)

P321 Specific treatment (see on this label).
P362+P364 Take off contaminated clothing and wash it before reuse.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.

- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
- **Description:** Mixture consisting of the following components.

· **Dangerous components:**

CAS: 65997-15-1 EINECS: 266-043-4	Cement, portland, chemicals Cr(VI)<2ppm Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335	25-50%
CAS: 14808-60-7 EINECS: 238-878-4	Quartz (SiO ₂) substance with a Community workplace exposure limit	25-50%

- **Additional information** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **After inhalation** Supply fresh air.
- **After skin contact** Instantly wash with water and soap and rinse thoroughly.
- **After eye contact** Rinse opened eye for several minutes under running water. Seek medical treatment.
- **After swallowing** Rinse out mouth and then drink plenty of water. Seek medical treatment.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents** Use fire fighting measures that suit the environment.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.

(Contd. on page 3)



BE SURE. BUILD SURE.

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 17.12.2020

Revision: 17.12.2020

Trade name Zentrival FM

(Contd. of page 2)

- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
- **6.2 Environmental precautions:** No special measures required.
- **6.3 Methods and material for containment and cleaning up:** Collect mechanically.
- **6.4 Reference to other sections** See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Prevent formation of dust.
- **Information about protection against explosions and fires:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

8.1 Control parameters

- **Components with critical values that require monitoring at the workplace:**

14808-60-7 Quartz (SiO₂)

BOELV (European Union)	Long-term value: 0.1* mg/m ³ *respirable fraction
------------------------	---

- **Additional information:** The lists that were valid during the compilation were used as basis.
(Contd. on page 4)



BE SURE. BUILD SURE.

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 17.12.2020

Revision: 17.12.2020

Trade name **Zentrival FM**

(Contd. of page 3)

- **8.2 Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**
Keep away from foodstuffs, beverages and food.
Instantly remove any soiled and impregnated garments.
Wash hands during breaks and at the end of the work.
Avoid contact with the eyes and skin.
- **Breathing equipment:**
In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.
- **Protection of hands:**
Protective gloves.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
After use of gloves apply skin-cleaning agents and skin cosmetics.
- **Material of gloves**
Strong gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**
Safety glasses
Tightly sealed safety glasses.
- **Body protection:**
Protective work clothing.

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
 - **Form:** Powder
 - **Colour:** Grey
 - **Smell:** Odourless
- **Change in condition**
 - **Melting point/freezing point:** Not determined
 - **Initial boiling point and boiling range:** Not applicable
Not determined
- **Flash point:** Not applicable
- **Self-inflammability:** Product is not selfigniting.
- **Explosive properties:** Product is not explosive.
- **Density** Not determined

(Contd. on page 5)



BE SURE. BUILD SURE.

Page 5/7

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 17.12.2020

Revision: 17.12.2020

Trade name Zentrival FM

(Contd. of page 4)

- | | |
|--|--|
| · Solubility in / Miscibility with Water: | Unsoluble |
| · 9.2 Other information | No further relevant information available. |

SECTION 10: Stability and reactivity

- | | |
|--|---|
| · 10.1 Reactivity | No further relevant information available. |
| · 10.2 Chemical stability | |
| · Thermal decomposition / conditions to be avoided: | No decomposition if used according to specifications. |
| · 10.3 Possibility of hazardous reactions | No dangerous reactions known |
| · 10.4 Conditions to avoid | No further relevant information available. |
| · 10.5 Incompatible materials: | No further relevant information available. |
| · 10.6 Hazardous decomposition products: | No dangerous decomposition products known |

SECTION 11: Toxicological information

- | | |
|--|---|
| · 11.1 Information on toxicological effects | |
| · Acute toxicity | Based on available data, the classification criteria are not met. |
| · Primary irritant effect: | |
| · Skin corrosion/irritation | Causes skin irritation. |
| · Serious eye damage/irritation | Causes serious eye damage. |
| · Respiratory or skin sensitisation | Based on available data, the classification criteria are not met. |
| · CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction) | |
| · Germ cell mutagenicity | Based on available data, the classification criteria are not met. |
| · Carcinogenicity | Based on available data, the classification criteria are not met. |
| · Reproductive toxicity | Based on available data, the classification criteria are not met. |
| · STOT-single exposure | May cause respiratory irritation. |
| · STOT-repeated exposure | Based on available data, the classification criteria are not met. |
| · Aspiration hazard | Based on available data, the classification criteria are not met. |

SECTION 12: Ecological information

- | | |
|---|--|
| · 12.1 Toxicity | |
| · Aquatic toxicity: | No further relevant information available. |
| · 12.2 Persistence and degradability | No further relevant information available. |
| · 12.3 Bioaccumulative potential | No further relevant information available. |
| · 12.4 Mobility in soil | No further relevant information available. |

(Contd. on page 6)

IN



BE SURE. BUILD SURE.

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 17.12.2020

Revision: 17.12.2020

Trade name **Zentrival FM**

(Contd. of page 5)

- **Additional ecological information:**
- **General notes:** *Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.*
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** *Not applicable.*
- **vPvB:** *Not applicable.*
- **12.6 Other adverse effects** *No further relevant information available.*

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** *Must not be disposed of together with household garbage. Do not allow product to reach sewage system.*
- **Uncleaned packagings:**
- **Recommendation:** *Non contaminated packagings can be used for recycling.*

SECTION 14: Transport information

- | | |
|---|-----------------|
| · 14.1 UN-Number
· ADR, ADN, IMDG, IATA | Void |
| · 14.2 UN proper shipping name
· ADR, ADN, IMDG, IATA | Void |
| · 14.3 Transport hazard class(es)
· ADR, ADN, IMDG, IATA
· Class | Void |
| · 14.4 Packing group
· ADR, IMDG, IATA | Void |
| · 14.5 Environmental hazards:
· Marine pollutant: | No |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| · UN "Model Regulation": | Void |

(Contd. on page 7)



BE SURE. BUILD SURE.

Page 7/7

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 17.12.2020

Revision: 17.12.2020

Trade name **Zentrival FM**

(Contd. of page 6)

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
 - **Directive 2012/18/EU**
 - **Named dangerous substances - ANNEX I** *None of the ingredients is listed.*
- **15.2 Chemical safety assessment:** *A Chemical Safety Assessment has not been carried out.*

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**
 - H315 Causes skin irritation.*
 - H318 Causes serious eye damage.*
 - H335 May cause respiratory irritation.*
- **Department issuing data specification sheet:** *Environment protection department.*
- **Abbreviations and acronyms:**
 - RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)*
 - ICAO: International Civil Aviation Organisation*
 - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)*
 - IMDG: International Maritime Code for Dangerous Goods*
 - IATA: International Air Transport Association*
 - GHS: Globally Harmonised System of Classification and Labelling of Chemicals*
 - EINECS: European Inventory of Existing Commercial Chemical Substances*
 - ELINCS: European List of Notified Chemical Substances*
 - CAS: Chemical Abstracts Service (division of the American Chemical Society)*
 - PBT: Persistent, Bioaccumulative and Toxic*
 - vPvB: very Persistent and very Bioaccumulative*
 - Skin Irrit. 2: Skin corrosion/irritation – Category 2*
 - Eye Dam. 1: Serious eye damage/eye irritation – Category 1*
 - STOT SE 3: Specific target organ toxicity (single exposure) – Category 3*
- *** Data compared to the previous version altered.**

IN