

**Product:** Muraplast FK 320

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1. Identification

Product identifier: Muraplast FK 320**Recommended use of the chemical:** Concrete/Mortar admixtures**Identification Code:** 003987**Supplier's name:** MC-Bauchemie Brasil**Address:** Rua Henry Martin, 235 - SP**Supplier's phone number:** (11)4158-9158**Emergency phone number:** 0800 707 7022 / 0800 117 2020

2. Hazard identification

Classification of the substance or mixture: Chemical not classified as hazardous according to GHS.**Precautionary recommendations:** Not applicable**Other information:** Not applicable

3. Composition/Information on ingredients

Product Type: Mixture

This mixture does not contain ingredients or impurities that contribute to its hazard.

4. First-aid measures

First-aid measures

- **Inhalation:** Void
- **Skin contact:** Instantly wash with water and soap and rinse thoroughly.
- **Eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor
- **Ingestion:** Rinse out mouth and then drink plenty of water. Seek medical treatment

Most important symptoms/effects, acute and delayed: Chemical not classified as hazardous according to GHS.**Indication of immediate medical attention and special treatment:** No further relevant information available

5. Fire-fighting measures

Suitable extinguishing media: Void**Unsuitable extinguishing media:** No further relevant information available**Specific hazards arising from the chemical:** No special measures required**Special protective actions for fire-fighters:** Use personal protective equipment, especially respiratory protection



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6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

- **For non-emergency personnel:** Keep non-emergency or unprotected people away
- **For emergency responders:** Use workwear safety clothes, shoes and glasses. Avoid contact with the product.

Environmental precautions: Contain the leaked liquid with sand. Prevent material from reaching sewage system, holes and cellars.

Methods and materials for containment: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust)

Area isolation: Isolate the area

Methods and materials for cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust)

7. Handling and storage

Precautions for safe handling

- **Prevention of workers exposure:** No special measures required
- **Fire and explosion:** Not applicable because it is a non-flammable product
- **Precautions for safe handling:** The usual precautionary measures should be adhered to handle the chemical product
- **Hygiene measures**
 - **Suitable:** Store the product in covered, dry and ventilated areas. Keep container tightly sealed.
 - **Unsuitable:** No special measures required

Conditions for safe storage

- **Conditions for safe storage:** Covered, dry and ventilated areas
- **Conditions to avoid including incompatibilities:** No special measures required
- **Packaging materials**
 - **Suitable:** Original container
 - **Unsuitable:** Not available

Other information: No further relevant information available

8. Exposure controls/personal protection

Control parameters

- **Occupational exposure limits:** Not available



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- **Biological indicators values:** Not available
- **Other limits and values:** Not available

Appropriate engineering controls: Not available

Individual protection measures, such as personal protective equipment

- **Eye/face protection:** Safety glasses
- **Skin protection:** Wear work clothes and safety shoes
- **Respiratory protection:** Not available
- **Hands protection:** Protective gloves. Nitrile rubber NBR or Butyl rubber BR
- **Thermal hazards:** Not available

Other information: Not available

9. Physical and chemical properties

- **Appearance**
Physical state: Liquid; **Form:** Fluid; **Color:** Dark brown
- **Odour:** Characteristic
- **Odour threshold:** Not determined
- **pH:** 7.4
- **Melting point/freezing point:** Not determined
- **Initial boiling point:** Not determined
- **Boiling range:** Not determined
- **Flash point:** Not applicable
- **Evaporation rate:** Not applicable
- **Flammability (solid, gas):** Not applicable
- **Lower flammability or explosive limits:** NA
- **Upper flammability or explosive limits:** NA
- **Vapour pressure:** Not applicable
- **Vapour density:** Not applicable
- **Relative density:** 1.10
- **Solubility(ies):** Fully miscible
- **Partition coefficient: n-octanol/water:** Not applicable
- **Auto-ignition temperature:** Not applicable
- **Decomposition temperature:** Not applicable
- **Viscosity:** Not applicable
- **Additional information:** Not applicable

10. Stability and reactivity

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Chemical stability: Under normal storage conditions, the product is stable

Reactivity: Not available

Possibility of hazardous reactions: Not available

Conditions to avoid: No relevant information is available

Incompatible materials: Not available

Hazardous decomposition products: Not available

11. Toxicological information

Acute toxicity: Not available

Skin corrosion/irritation: Has no irritating effect

Serious eye damage/irritation: Not available

Respiratory or skin sensitization: Avoid contact with the product. Always use personal protective equipment

Germ cell mutagenicity: Not available

Carcinogenicity: Not available

Reproductive toxicity: Not available

STOT-single exposure: Not available

STOT-repeated exposure: Not available

Aspiration hazard: Not available

Additional information: Not available

12. Ecological information

Toxicity: No relevant information is available, assess current local legislation

Persistence and degradability: Not available

Bio accumulative potential: Not available

Mobility in soil: Not available

Other adverse effects: Not available

13. Disposal considerations

Disposal methods

- **Product:** Must not be disposed together with household garbage. Do not allow product to reach sewage system. Dispose the product according to regulations
- **Used package:** Must not be disposed together with household garbage. Do not allow product to reach sewage system. Dispose the product according to regulations

14. Transport information

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National and international regulations:**Land Transport:****Technical name:** Concrete/Mortar admixtures**Additional information:** The characteristics of the product does not meet the official criteria of dangerous goods for purposes of transportation.

15. Regulatory information

Safety, health and environmental regulations specific for the product:

Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

16. Other information

Other information that does not belong in other sections:

This Safety Data Sheet (SDS) has been prepared based on current knowledge about chemicals and provides information about protection, safety, health and environment. It is warned that any chemical handling requires prior knowledge of its hazards by the user. The user company is responsible to promote the training of its employees about the potential product risks.

References: [ECHA] EUROPEAN CHEMICAL AGENCY. Available in: <http://echa.europa.eu/>

[HSNO] NEW ZEALAND HSNO Chemical Classification and Information Database (CCID)

[OSHA] OSHA'S Hazard Communication. Available in: <https://www.osha.gov/dsg/hazcom/>

[GHS] Globally Harmonized System of Classification and Labelling of Chemicals

Subtitles and abbreviations: ACGIH - American Conference of Governamental Industrial, BCF - Bioconcentration factor, CAS - Chemical Abstracts Service