



Product: MC-Powerflow 4000

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1. Identification

Product identifier: MC-Powerflow 4000

Recommended use of the chemical: Concrete/Mortar admixtures

Identification Code: 003397

Supplier's name: MC-Bauchemie Brasil

Address: Rua Henry Martin, 235 - SP

Supplier's phone number: (11)4158-9158

Emergency phone number: (11) 0800 172 020 / (11) 0800 707 7022

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:** Supply fresh air
- **Skin contact:** The product is not skin irritating
- **Eye contact:** Rinse opened eye for several minutes under running water
- **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: Use fire fighting measures that suit the environment

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. No special measures required



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6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

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

Environmental precautions: Dilute with much water

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:** No special measures required
- **Precautions for safe handling:** The usual precautionary measures should be adhered to in handling the chemicals
- **Hygiene measures**
 - **Suitable:** Store the product in covered, dry and ventilated areas. Keep the packaging always closed
 - **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:** The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace



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

Appropriate engineering controls: Provide ventilation combined with local exhaust

Individual protection measures, such as personal protective equipment

- **Eye/face protection:** Safety glasses
- **Skin protection:** Protective work clothing
- **Respiratory protection:** Not required
- **Hands protection:** Protective gloves. Nitrile rubber NBR or Butyl rubber BR
- **Thermal hazards:** Not available

Other information: The usual precautionary measures should be adhered to in handling the chemicals

9. Physical and chemical properties

- **Appearance**
Physical state: Fluid; **Form:** Liquid; **Color:** Yellow to Brown
- **Odour:** Characteristic
- **Odour threshold:** NA
- **pH:** 6.15
- **Melting point/freezing point:** Not determined
- **Initial boiling point:** 100 °C
- **Boiling range:** Not determined
- **Flash point:** Not applicable
- **Evaporation rate:** Not applicable
- **Flammability (solid, gas):** Product is not selfigniting
- **Lower flammability or explosive limits:** NA
- **Upper flammability or explosive limits:** NA
- **Vapour pressure:** NA
- **Vapour density:** NA
- **Relative density:** 1.02
- **Solubility(ies):** Fully miscible
- **Partition coefficient: n-octanol/water:** Not applicable
- **Auto-ignition temperature:** Not applicable
- **Decomposition temperature:** Not applicable
- **Viscosity:** Not determined
- **Additional information:** No futher relevant information available

10. Stability and reactivity



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

Reactivity: No further relevant information available

Possibility of hazardous reactions: No dangerous reactions known

Conditions to avoid: No further relevant information available

Incompatible materials: No further relevant information available

Hazardous decomposition products: No dangerous decomposition products known

11. Toxicological information

Acute toxicity: Based on available data, the classification criteria are not met

Skin corrosion/irritation: Based on available data, the classification criteria are not met

Serious eye damage/irritation: Based on available data, the classification criteria are not met

Respiratory or skin sensitization: Based on available data, the classification criteria are not met

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: Based on available data, the classification criteria are not met

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

Additional information: No further relevant information available

12. Ecological information

Toxicity: No further relevant information available

Persistence and degradability: No further relevant information available

Bio accumulative potential: No further relevant information available

Mobility in soil: No further relevant information available

Other adverse effects: Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system

13. Disposal considerations

Disposal methods

- **Product:** Disposal must be made according to official regulations
- **Used package:** Disposal must be made according to official regulations

14. Transport information

National and international regulations:



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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.

Additional Regulation: Not dangerous according to the above specifications

15. Regulatory information

Safety, health and environmental regulations specific for the product:

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

A chemical Safety Assessment has not been carried out

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 Governmental Industrial, BCF - Bioconcentration factor, CAS - Chemical Abstracts Service