

**Product:** Nafufill 250 (EX Zentrifix)

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1. Identification

Product identifier: Nafufill 250 (EX Zentrifix)**Recommended use of the chemical:** Mortar**Identification Code:** 20000049**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: Skin corrosion/irritation: Category 2 - Eye damage/irritation: Category 1 - Specific target organ toxicity (single exposure): Category 3

GHS labelling

**Signal Word:** Danger

Hazard Statement: H315 - Causes skin irritation . H318 - Causes serious eye damage . H335 - May cause respiratory irritation.

Precautionary statements:

- **General:** P103 - Read label before use.
- **Prevention:** P280 - Wear protective gloves/protective clothing/eye protection/face protection., P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
- **Response:** P310 - Immediately call a POISON CENTER or doctor
- **Storage:** P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.
- **Disposal:** P501 - Dispose of contents/container to accordance with current local legislation

Other hazards which do not result in classification: Not available**Other information:** Not applicable

3. Composition/Information on ingredients

Product Type: Mixture



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Hazardous ingredients or impurities and/or stabilizing additives which contribute to hazard classification:

Chemical identity	CAS N°	Percentages or ranges of percentages
Portland cement	65997-15-1	20 - 50

4. First-aid measures

First-aid measures

- **Inhalation:** Remove the person to a cool, airy place. If irritation persists, seek medical advice
- **Skin contact:** Wash immediately with plenty of running water and soap for at least 15 minutes. Remove all contaminated clothing, especially with wet grout, to avoid skin contact. Seek medical assistance
- **Eye contact:** Wash immediately with plenty of running water for at least 15 minutes. Ensure that the eyelids are open and that the eyes move in all directions. Seek medical assistance
- **Ingestion:** Do not induce vomiting. Provide plenty of water. Seek medical assistance

Most important symptoms/effects, acute and delayed: Not available

Indication of immediate medical attention and special treatment: Treat symptomatically

5. Fire-fighting measures

Suitable extinguishing media: Use water, CO₂, dry powder and foam

Unsuitable extinguishing media: Not applicable

Specific hazards arising from the chemical: There is no relevant information available

Special protective actions for fire-fighters: Use personal protective equipment, especially respiratory protection

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:** Natural latex gloves, safety glasses, safety boots or closed shoes. In case of insufficient ventilation, wear suitable respiratory equipment (filter type AX-P2: organic vapors, particles). In case of fire, wear individual respiratory equipment and protective clothing

Environmental precautions: Avoid disposal in sewage and surface water

Methods and materials for containment: Clean up any spillage of this material to avoid raising dust and collect in suitable containers

Area isolation: Not applicable

Methods and materials for cleaning up: Remove the material with shovel and broom in drums. Disposal must be done in accordance with current local legislation



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7. Handling and storage

Precautions for safe handling

- **Prevention of workers exposure:** Natural latex gloves, in case of insufficient ventilation, wear suitable respiratory equipment (filter type AX-P2: organic vapors, particles)
- **Fire and explosion:** Not applicable because it is a non-flammable product
- **Precautions for safe handling:** Use appropriate personal protective equipment as described in item 6 individual protections for leak care. Avoid direct contact with the product (eyes, skin, clothing, and do not ingest the product)
- **Hygiene measures**
 - **Suitable:** Store the product in covered, dry and ventilated areas. Keep the packaging always closed
 - **Unsuitable:** Places containing moisture, confined spaces and heat source

Conditions for safe storage

- **Conditions for safe storage:** Covered, dry and ventilated areas
- **Conditions to avoid including incompatibilities:** The product must not come into contact with water before use
- **Packaging materials**
 - **Suitable:** Original container
 - **Unsuitable:** Not available

Other information: No other information is available to date

8. Exposure controls/personal protection

Control parameters

- **Occupational exposure limits:** 10 mg / m³, average concentration of 8 hours. Use exhaust fans to keep the dust level below exposure limits in dusty or poorly ventilated workplaces
- **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 boots
- **Respiratory protection:** Use suitable respiratory equipment (filter type P2: particles)
- **Hands protection:** PVC gloves
- **Thermal hazards:** Not available



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Other information: Not available

9. Physical and chemical properties

- **Appearance**
Physical state: Solid; **Form:** Powder; **Color:** Grey
- **Odour:** Characteristic
- **Odour threshold:** Not available
- **pH:** Not available
- **Melting point/freezing point:** Not available
- **Initial boiling point:** Not available
- **Boiling range:** Not available
- **Flash point:** Not available
- **Evaporation rate:** Not available
- **Flammability (solid, gas):** Not available
- **Lower flammability or explosive limits:** Not available
- **Upper flammability or explosive limits:** Not available
- **Vapour pressure:** Not available
- **Vapour density:** Not available
- **Relative density:** Not available
- **Solubility(ies):** Partially soluble in water
- **Partition coefficient: n-octanol/water:** Not available
- **Auto-ignition temperature:** Not available
- **Decomposition temperature:** Not available
- **Viscosity:** Not available
- **Additional information:** Not available

10. Stability and reactivity

Chemical stability: Under normal storage conditions, the product is stable**Reactivity:** Not available**Possibility of hazardous reactions:** Not available**Conditions to avoid:** Moisture during storage**Incompatible materials:** Not available**Hazardous decomposition products:** Not available

11. Toxicological information

Acute toxicity: Not available**Skin corrosion/irritation:** Skin: Frequent and prolonged contact causes irritation



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Serious eye damage/irritation: Eyes: Causes irritation

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:** According to the local legislation in force
- **Used package:** According to the local legislation in force

14. Transport information

National and international regulations:

Land Transport:

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Additional information: The characteristics of the product does not meet the official criteria of dangerous goods for purposes of transportation.

Additional Regulation: Not available

15. Regulatory information

Safety, health and environmental regulations specific for the product:

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

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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