

# Safety data sheet

Page: 1/10

BASF Safety data sheet

Date / Revised: 03.06.2015

Version: 2.0

Product: **MasterEmaco P 5000AP also EMACO NANOCRETE AP**

(30601063/SDS\_GEN\_AU/EN)

Date of print 04.06.2015

## 1. Substance/preparation and manufacturer/supplier identification

### **MasterEmaco P 5000AP also EMACO NANOCRETE AP**

Use: Product for construction chemicals

Manufacturer/supplier:

BASF Australia Limited (ABN 62 008 437 867)

Level 12, 28 Freshwater Place Southbank

Victoria 3006, AUSTRALIA

Telephone: +61 3 8855-6600

Telefax number: +61 3 8855-6511

Emergency information:

BASF Emergency Advice Number: 1800 803 440 (24h) [within Australia]

BASF Emergency Advice Number: + 61 3 8855 6666 [outside Australia]

## 2. Hazard identification

Classification of the substance and mixture:

Acute toxicity: Cat. 4 (oral)

Skin corrosion/irritation: Cat. 2

Serious eye damage/eye irritation: Cat. 1

Specific target organ toxicity — single exposure: Cat. 3 (irritating to respiratory system)

Label elements and precautionary statement:

Pictogram:



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Signal Word:

Danger

Hazard Statement:

Causes serious eye damage. Causes skin irritation. Harmful if swallowed. May cause respiratory irritation.

Precautionary Statements (Prevention):

Wear protective gloves and eye/face protection. Do not breathe dust. Do not eat, drink or smoke when using this product. Wash with plenty of water and soap thoroughly after handling.

Precautionary Statements (Response):

Immediately call a POISON CENTER or doctor/physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF ON SKIN (or hair): Wash with plenty of soap and water. IF SWALLOWED: rinse mouth. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Precautionary Statements (Storage):

Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Precautionary Statements (Disposal):

Dispose of contents/container to hazardous or special waste collection point.

Other hazards which do not result in classification:

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

modified cement mortar

#### Hazardous ingredients

Cement, portland, chemicals

Content (W/W): >= 50 % - < 75 %	Skin Corr./Irrit.: Cat. 2
CAS Number: 65997-15-1	Eye Dam./Irrit.: Cat. 1
	STOT SE: Cat. 3 (irr. to respiratory syst.)

sodium nitrite

Content (W/W): >= 1 % - < 5 %	Ox. Sol.: Cat. 2
CAS Number: 7632-00-0	Acute Tox.: Cat. 3 (oral)
	Eye Dam./Irrit.: Cat. 2A
	Aquatic Acute: Cat. 1
	M-factor acute: 1

| Quartz (SiO<sub>2</sub>)

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Content (W/W):  $\geq 0.1\%$  -  $< 1\%$  STOT RE (Lung): Cat. 1 (by inhalation)  
CAS Number: 14808-60-7

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## 4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. Remove contaminated clothing.

If inhaled:

After inhalation of dust. Keep patient calm, remove to fresh air. If difficulties occur: Obtain medical attention.

On skin contact:

After contact with skin, wash immediately with plenty of water and soap. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.

On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:

Rinse mouth immediately and then drink plenty of water, seek medical attention. Do not induce vomiting unless told to by a poison control center or doctor.

Note to physician:

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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## 5. Fire-Fighting Measures

Additional information:

Product itself is non-combustible. Only the packaging materials can catch fire. The extinguishing agents normally used are sufficient.

Specific hazards:

Product is not combustible or explosive. No particular hazards known.

Further information:

Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered. The degree of risk is governed by the burning substance and the fire conditions. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

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## 6. Accidental Release Measures

Personal precautions:

Avoid dust formation. Avoid contact with skin and eyes. Use personal protective clothing. Handle in accordance with good building materials hygiene and safety practice.

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Environmental precautions:

Do not discharge into drains/surface waters/groundwater.

Methods for cleaning up or taking up:

Sweep/shovel up.

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## 7. Handling and Storage

### Handling

Avoid dust formation. The Cement contained in this product reacts alkaline when in contact with water or humidity. This may cause severe irritation of skin or mucous membranes. The humidity of the skin or mucous membranes is enough for this reaction. Prolonged direct contact to the dry product should be avoided therefore. Avoid inhalation of dusts. Avoid skin contact. Pour downwind and allow as little free fall as possible while emptying bags into equipment. Breathing must be protected when large quantities are decanted without local exhaust ventilation.

Protection against fire and explosion:

No special precautions necessary.

### Storage

Suitable materials for containers: Paper/Fibreboard, High density polyethylene (HDPE)

Further information on storage conditions: Containers should be stored tightly sealed in a dry place.

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## 8. Exposure controls and personal protection

### Components with occupational exposure limits

Cement, portland, chemicals, 65997-15-1;

TWA value 1 mg/m<sup>3</sup> (ACGIHTLV), Respirable fraction

The value is for particulate matter containing no asbestos and &lt;1% crystalline silica.

TWA value 10 mg/m<sup>3</sup> (OEL (AU)), Inhalable dustQuartz (SiO<sub>2</sub>), 14808-60-7;TWA value 0.025 mg/m<sup>3</sup> (ACGIHTLV), Respirable fraction (OEL (AU)), dust

Included in the regulation, but with no data values - See the regulation for further details

TWA value 0.1 mg/m<sup>3</sup> (OEL (AU))TWA value 0.1 mg/m<sup>3</sup> (AU NOEL), Respirable dust

See Silica, Crystalline.

TWA value 0.1 mg/m<sup>3</sup> (AU NOEL), Respirable dust

### Personal protective equipment

Respiratory protection:

Breathing protection if dusts are formed.

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Hand protection:

nitrile coated cotton gloves (e.g. EN 388, 374)

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Body protection:

Body protection must be chosen based on level of activity and exposure., light protective clothing

General safety and hygiene measures:

Avoid contact with the skin, eyes and clothing. Avoid inhalation of dusts. In order to prevent contamination while handling, closed working clothes and working gloves should be used. Handle in accordance with good building materials hygiene and safety practice. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks). Contaminated equipment or clothing should be cleaned after each use or disposed of.

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## 9. Physical and Chemical Properties

Form: powder  
Colour: unspecified  
Odour: characteristic  
Odour threshold: Not determined due to potential health hazard by inhalation.

pH value: approx. 11  
(approx. 20 °C)  
(as aqueous suspension)

Melting temperature: > 1,000 °C  
boiling temperature: not applicable

Flash point: not applicable

Evaporation rate: The product is a non-volatile solid.

Flammability (solid/gas): not flammable

Lower explosion limit: As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.

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Upper explosion limit:	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.
Ignition temperature:	not applicable
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Explosion hazard:	not explosive
Vapour pressure:	The product has not been tested.
Density:	(20 °C) not available
Bulk density:	1,800 kg/m <sup>3</sup>
Relative vapour density (air):	The product is a non-volatile solid.
Solubility in water:	dispersible (20 °C)
Miscibility with water:	(20 °C) not soluble
Hygroscopy:	hygroscopic
Viscosity, dynamic:	not applicable, the product is a solid

**Other Information:**

If necessary, information on other physical and chemical parameters is indicated in this section.

**10. Stability and Reactivity****Conditions to avoid:**

See MSDS section 7 - Handling and storage.

Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
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**Substances to avoid:**

strong bases, strong acids

**Hazardous reactions:**

The product is stable if stored and handled as prescribed/indicated.

No hazardous decomposition products if stored and handled as prescribed/indicated.

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## 11. Toxicological Information

### Acute toxicity

Assessment of acute toxicity:

Of moderate toxicity after single ingestion. There is a risk of damage to the blood (methemoglobinemia) after a single uptake of large quantities. Virtually nontoxic after a single skin contact. Virtually nontoxic by inhalation. The product has not been tested. The statement has been derived from the properties of the individual components.

### Irritation

Assessment of irritating effects:

Skin contact causes irritation. May cause severe damage to the eyes. The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Cement, portland, chemicals

Experimental/calculated data:

Skin corrosion/irritation rabbit: Irritant.

Information on: Cement, portland, chemicals

Experimental/calculated data:

Serious eye damage/irritation rabbit: irreversible damage

### Respiratory/Skin sensitization

Assessment of sensitization:

There is no evidence of a skin-sensitizing potential. The product has not been tested. The statement has been derived from the properties of the individual components.

Chromate in this product has been reduced. Sensitization due to chromate within stated shelf-life is unlikely.

### Germ cell mutagenicity

Assessment of mutagenicity:

The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

### Carcinogenicity

Assessment of carcinogenicity:

The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

### Reproductive toxicity

Assessment of reproduction toxicity:

The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

### Developmental toxicity

Assessment of teratogenicity:

The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

### Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

After repeated administration the prominent effect is damage of the blood (methemoglobin formation). The product has not been tested. The statement has been derived from the properties of the individual components.

### Other relevant toxicity information

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

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## 12. Ecological Information

### Ecotoxicity

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms. The product gives rise to pH shifts. Based on available Data, the classification criteria are not met.

### Mobility

Assessment transport between environmental compartments:

The substance will not evaporate into the atmosphere from the water surface.

Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.

### Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):

Inorganic product which cannot be eliminated from water by biological purification processes. The product is slightly soluble in water. It can be largely eliminated from the water by abiotic processes, e.g. mechanical separation.

Not applicable for inorganic substances.

Elimination information:

not applicable

### Bioaccumulation potential

Assessment bioaccumulation potential:

The product will not be readily bioavailable due to its consistency and insolubility in water.



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### Additional information

Other ecotoxicological advice:

Do not discharge product into the environment without control. The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

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## 13. Disposal Considerations

Observe national and local legal requirements.

Residues should be disposed of in the same manner as the substance/product.

Contaminated packaging:

Completely emptied packagings can be given for recycling.

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## 14. Transport Information

### Domestic transport:

Not classified as a dangerous good under transport regulations

### Sea transport

IMDG

Not classified as a dangerous good under transport regulations

### Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

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## 15. Regulatory Information

### Other regulations

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP): Schedule 6

### Registration status:

AICS, AU

released / listed

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## 16. Other Information

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Vertical lines in the left hand margin indicate an amendment from the previous version.

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The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.