SAFETY DATA SHEET **111**

MICROSYNTH MARBLE 100

1 IDENTIFICATION OF THE MIXTURE AND THE COMPANY

1.1 Product identifier

Product name	MICROSYNTH MARBLE 100

1.2 Relevant identified uses of the substance or mixture and uses advised against

Description/Application	FLOOR / WALL FINISH

1. 3 Details of the supplier of the safety data sheet

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Full address:	Via O. da Pordenone n.18 - 36100 Vicenza - Italia
Phone:	+39 0444 929102 +39 0444 923317
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E-mail address of the competent person responsible to the Safety Data Sheet	info@bericalce.it

1.4 Emergency telephone number

For urgent inquiries refer to	SANITARY EMERGENCY

2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

The product is not classified as hazardous according to the provisions of Regulation (EC) 1272/2008 (CLP).
The product, contaning dangerous substances in concentrations that must be declared in section 3, requires a safey data sheet complies with the provisions of Regulation (EC) n. 1907/2006 and subsequent amendments.

Hazard classification and indication:
Not classified as hazardous.

2.2 Label elements

Danger labeling: -
Warnings: -
Hazard indication:

EUH210	Safety data sheet available on request.
EUH208	Contains: 5-cloro-2-metil-2H-isotiazol-3-one e 2-metil-2H-isotiazol-3-one (mix3:1) It may cause an allergic skin reaction.

Safety advice:
-

2.3 Other dangers

Based on available data, the product does not contain any PBT or vPvB substances as more than 0,1%

3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance

No relevant information.

3.2 Miscele

It contains:

5-cloro-2-metil-2H-isotiazol-3-one e 2-metil-2Hisotiazol-3-one (mixture 3:1)

CAS. 55965-84-9	0 ≤ x < 0,0015	Acute Tox. 3 H301, Acute Tox. 3 H311, Acute Tox. 3 H331, Skin Corr. 1B H314, Skin Sens. 1 H317, Aquatic Acute 1 H400 M=10, Aquatic Chronic 1 H410 M=1
CE. -		
INDEX. 613-167-00-5		

The full text of the hazard statements (H) is given in section 16 of the sheet.

4 FIRST AID MEASURES

4.1 Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.
SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.
INGESTION: Have the subject drink as much water as possible. Get medical advice/attention.
Do not induce vomiting unless explicitly authorised by a doctor.
INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take precautions for rescue workers.

4.2 Most important symptoms and effects, both acute and delayed.

For symptoms and effects caused by the contained substances, see chap. 11.

4.3 Indication of any immediate medical attention and special treatment needed.

Follow doctor's instructions.

5 FIREFIGHTING MEASURES

5.1 Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT
The extinguishing equipment should be conventional: carbon dioxide, foam, powder and water spray.
UNSUITABLE EXTINGUISHING EQUIPMENT
Nothing in particular.

5.2 Special hazards arising from the substance or mixture

HAZARDS CAUSED BYEXPOSURE IN THE EVENTOF FIRE
Do not breathe combustion products.

5.3 Advice for firefighters

GENERAL INFORMATION
Use jets of water to cool the cointainers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contamined water used for extinction and the remains of the fire according to applicable regulations.
EQUIPMENT
Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30).

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Block the loss if there is no danger. Wear suitable protective equipment (including personal protective equipment referred to in section 8 of the safety datas sheet) to prevent any contmination of skin, eyes and personal clothing. These direction are valid both for the workers to work which for emergency interventions.

6.2 Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface or ground water.

6.3 Methods and material for containment and cleaning up

Draw product spilled in suitable container. Asses the compatibility of the container to be used with the product, verifying section 10. Absorb the remaining inert absorbent material.
Deposit spillage in containers for future use. Ensure adequate ventilation of the place affected by the loss.
Verify the compatibility of containers' material in section 7.
The disposal of contaminated material must be made in accordance with section 13.

6.4 Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Ensure proper grounding system for the equipment and personnel.
Avoid contact with eyes and skin and exposure to concentrations of dust holes. Avoid the inhalation of dust and vapour. Do not eat, nor drink, nor smoke while handling it. Avoid dispersal into the environment.

7.2 Conditions for safe storage, including any incompatibilities

Store in a ventilated and dry place, far away from sources of ignition. Keep containers well sealed. Keep the product in clearly labelled containers. Avoid overheating. Avoid violent blows. Keep containers away from any incompatible materials, see section 10 for details.

7.3 Specific end use(s)

Information not available.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Information not available

8.2 Exposure controls

As the use if adequate technical equipment must always take priority over personal protection equipment must always take priority over personal protection equipment, ensure good ventilation in the workplace through effective local aspiration.
For the selection of personal protective equipment, if necessary, request advice from your chemical substance suppliers.
The personal protective equipment must bear the CE marking attesting to their compliance with applicable regulations.
HAND PROTECTION
Protect your hands with work gloves, category III (ref. standard EN 374).
Final selection of the material of the gloves must be considered: compatibility, degradation, breakage times and permeation.
In the case of preparartions the resistance of protective gloves to chemicals should be checked before use, as it expected.
The gloves' limit depends on the duration and method of use.

SKIN PROTECTION
Wear work clothes with long sleeves and safety footware for professional use category II (ref. Directive 89/686/EEC and law EN ISO 20344). Wash with soap and water after removing protective clothing.
EYE PROTECTION
We reccomend wearing hood visor or protective visor together with airtight goggles (ref. law EN 166).
RESPIRATORY PROTECTION
In case of exceeding the threshold value (eg. TLV-TWA) of the substance or one or more of the substances contained on the product, you should wear a mask with filter Type A, whose class (1, 2 or 3) must be chosen according to the limit concentration of use (ref. standard EN 14387).
In the case there will be be gas or vapors of a different nature and / or gases or vapors with particles (aerosols, fumes, mists, etc.) should be provided for combined type filters.
The use of respiratory protective equipment is necessary in case the technical measures are not sufficient to limit the exposure of the worker to the threshold values considered.
The protection provided by masks is in any case limited.
In case that the substance in question is odorless or its olfactory threshold is higher than the related TLV-TWA, and in case of emergency, it is important to wear a compressed air breathing apparatus open circuit (ref Standard EN 137) or a respirator in socket outdoor air (ref. standard EN 138).
For the correct choice of respiratory protection device, refer to EN 529.
ENVIRONMENTAL EXPOSURE CONTROLS.
The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Fluid paste
Colour	Milky White
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	> 100 °C
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Lower inflammability limit	Not available
Upper infiammability limit	Not available
Lower explosive limit	Not explosive
Upper explosive limit	Not explosive
Vapour pressure	Not available
Vapour density	Not available
Relative density	Not available
Solubility	Miscible in water
Partition coefficient:: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Not available
Oxidising properties	Not available

9.2 Other information

Not available

10 STABILITY AND REACTIVITY

10.1 Reactivity
There are no particular risks of reaction with other substances in normal conditions of use.

10.2 Chemical stability
The product is stable in normal conditions of use and storage.

10.3 Possibility of hazardous reactions
No hazardous reactions are foreseeable in normal conditions of use and storage.

10.4 Conditions to avoid
None in particular. However, follow the usual precautions against chemicals.

10.5 Incompatible materials
Information not available

10.6 Hazardous decomposition products
Information not available

11 TOXICOLOGICAL INFORMATION

In the absence of experimental toxicological data on the product itself, the possible health hazards of the product were evaluated based on the properties of the substances containde, according to the criteria laid down by the relevant regulations for the classification. Therefore, consider the concentration of each hazardous substances possibly mentioned in sect. 3, to assess toxicological effects resulting from exposure to the product.

11.1 Information on toxicological effects

Metabolism, kinetics, mechanism of action and other information
Information not available
Information on likely routes of exposure
Information not available
Delayed and immediate effects and chronic effects from short and long term exposure
Information not available
Interactive effects
Information not available
ACUTE TOXICITY
LC50 (Inhalation) of the mixture: Not classified (no relevant component)
LD50 (Oral) of the mixture: Not classified (no relevant component)
LD50 (Dermal) of the mixture: Not classified (no relevant component)
SKIN CORROSION / SKIN IRRITATION
It does not meet the classification criteria for this hazard class
SERIOUS EYE DAMAGE / EYE IRRITATION
It does not meet the classification criteria for this hazard class
RESPIRATORY OR SKIN SENSITIZATION
May produce an allergic reaction. Contains: Mixture of: 5-chloro-2-methyl - 2H-isothiazol-3-one; 2-methyl-2H-isothiazol-3-one (3: 1)
MUTAGENICITY ON GERMINAL CELLS
It does not meet the classification criteria for this hazard class
CARCINOGENICITY
It does not meet the classification criteria for this hazard class
REPRODUCTION TOXICITY
It does not meet the classification criteria for this hazard class
SPECIFIC TARGET ORGAN TOXICITY (STOT) - SINGLE EXPOSURE
It does not meet the classification criteria for this hazard class
SPECIFIC TARGET ORGAN TOXICITY (STOT) - REPEATED EXPOSURE
It does not meet the classification criteria for this hazard class
DANGER IN CASE OF SUCTION
It does not meet the classification criteria for this hazard class

12 ECOLOGICAL INFORMATION

As specific data on the preparation are not available, use according to good working practices, avoiding to disperse the product in the environment. Avoid dispersing the product in the ground or water courses. Notify the competent authorities if the product has reached waterways or if it has contaminated soil or vegetation. Take measures to minimize the effects on the aquifer.

12.1 Toxicity

Mixture of: 5-chloro-2-methyl - 2H-isothiazol-3-one; 2-methyl-2H-isothiazol-3-one (3: 1)

LC50 - Fish	0,22 mg / l / 96h (Oncorhynchus mykiss)
EC50 - Crustaceans	0.1 mg / l / 48h (Daphnia magna)
EC50 - Algae / Aquatic Plants	0.048 mg / l / 72h Pseudokirchneriella subcapitata
Chronic NOEC Fish	0.098 mg / l Oncorhynchus mykiss

12.2 Persistence and degradability

Mixture of: 5-chloro-2-methyl - 2H-isothiazol-3-one; 2-methyl-2H-isothiazol-3-one (3: 1)
Quickly degradable

12.3 Bioaccumulative potential

Information not available

12.4 Mobility in soil

Information not available

12.5 Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%

12.6 Other adverse effects

Information not available

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Reuse, when possible. Neat product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evalueted according to applicabile regulations. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.
CONTAMINATED PACKAGING
Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

14 TRANSPORT INFORMATION

The product must not be considered dangerous according to the provisions in force concerning the transport of dangerous goods by road (A.D.R.), by rail (RID), by sea (IMDG Code) and by air (IATA).

14.1 ONU number

Not applicable.

14.2 ONU shipping name

Not applicable.

14.3 Hazard classes connected to shipping

Not applicable.

14.4 Packaging group

Not applicable.

14.5 Environmental hazards

Not applicable.

14.6 Special precautions for users

Not applicable.

14.7 Shipping of bulk according to MARPOL 73/78 annex and the IBC code

No relevant information.

15 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Seveso Category None
Restrictions relating to the product or contained substances pursuant to AnnexXVII to EC Regulation 1907/2006
None
Substances in Candidate List (Art. 59 REACH): None
Substances subject to authorisarion (Annex XIV REACH): None
Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012: None
Substances subject to the Rotterdam Convention: None
Substances subject to the Stockholm Convention: None
Healthcare controls Informations not available

15.2 Chemical safety assessment

No chemical safety assessment has been processed for the mixture and the substances it contains.

16 OTHER INFORMATIONS

Text of hazard (H) indications mentioned in sections 2-3 of the sheet:
Acute Tox. 3 Acute toxicity, category 3
Skin Corr. 1B Skin corrosion, category 1B
Skin Sens. 1 Skin sensitization, category 1
Aquatic Acute 1 Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 1 Hazardous to the aquatic environment, chronic toxicity, category 1
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H331 Toxic if inhaled.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
EUH210 Safety data sheet available on request.
LEGEND:
- ADR: European agreement for the transport of dangerous goods by road
- CAS NUMBER: Number of the Chemical Abstract Service
- EC50: Concentration that gives effect to 50% of the population subject to testing
- CE NUMBER: Identification number in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived no effect level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System for Classification and Labeling of Chemicals
- IATA DGR: Regulations for the transport of dangerous goods of the International Air Transport Association
- IC50: Concentration of immobilization of 50% of the population subject to testing
- IMDG: International maritime code for the transport of dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identification number in Annex VI of the CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal Dose 50%
- OEL: Occupational exposure level

- PBT: Persistent, bioaccumulating and toxic according to REACH
- PEC: Predicted environmental concentration
- PEL: Predictable level of exposure
- PNEC: Predicted No Effect Concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation for the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that must not be exceeded during any time of occupational exposure.
- TWA STEL: Short term exposure limit
- TWA: Weighted average exposure limit
- VOC: Volatile organic compound
- vPvB: Very persistent and very bioaccumulating according to REACH
- WGK: Water hazard class (Germany).

GENERAL BIBLIOGRAPHY:

1. Directive 1999/45 / EC and subsequent amendments
2. Directive 67/548 / EEC and subsequent amendments and adjustments
3. Regulation (EC) 1907/2006 of the European Parliament (REACH)
4. Regulation (EC) 1272/2008 of the European Parliament (CLP)
5. Regulation (EC) 790/2009 of the European Parliament (I Atp. CLP)
6. Regulation (EC) 453/2010 of the European Parliament
7. Regulation (EC) 286/2011 of the European Parliament (II Atp. CLP)
8. Regulation (EC) 618/2012 of the European Parliament (III Atp. CLP)
9. The Merck Index. Ed. 10
- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- ECHA Agency website

Note for users:
The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product. This document must not be regarded as a guarantee on any specific product property.
The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations.
The producer is relieved from any liability arising from improper uses.
Provide appointed staff with adequate training on how to use chemical products.

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