MEDIUM TWO-COMPONENT PORCELAIN MICROCEMENT

Version 1 Issue date: 08/09/2017

1 IDENTIFICATION OF THE SUBSTANCE OR THE MIXTURE AND OF THE COMPANY OR THE UNDERTAKING.

1.1 Product identifier.

Product name:	MEDIUM TWO-COMPONENT PORCELAIN MICROCEMENT

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

Relevant uses:	Decoration of floors, walls, various substrates... Exclusively for professional use.
Uses advised against:	Any use not specified in this section or in section 7.3.

1.3 Details of the supplier of the safety data sheet.

Company:	SATINE STONE
Telephone:	+34 969 100 100
Customer service:	12530 Burriana - Castellón - Polígono Industrial Carabona, C/ Coure n.° 16, 18 and 20.
Emergency telephone:	91 562 04 20
National Toxicology Centre:	91 562 04 20
Emergency number:	112
E-mail:	info@satine.es

2 HAZARDS IDENTIFICATION.

2.1 Classification of the substance or mixture.

Criteria of Directives 67/548/EC and 1999/45/EC and their subsequent updates:

The classification of the product has been carried out in accordance with Royal Decree 363/1995 (Directive 67/548/EC) and Royal Decree 255/2003 (Directive 1999/45/EC), adapting their provisions to Regulation (EC) No 1907/2006 (REACH Regulation) in accordance with Royal Decree 1802/2008.

Xi: Irritating to respiratory system and skin. Risk of serious damage to eyes. May cause sensitisation by skin contact.

Regulation No 1272/2008 (CLP):

The classification of this product has been carried out in accordance with Regulation No 1272/2008 (CLP).

- Eye Dam. 1: Serious eye damage, category 1.
- Skin Irrit. 2: Skin irritation, category 2.
- Skin Sens. 1: Skin sensitisation, category 1.
- STOT SE 3: Toxicity to the respiratory tract (single exposure), category 3.

2.2 Label elements.

Regulation No 1272/2008 (CLP):



Signal word:	Danger

Hazard statements:

- Eye Dam. 1: Causes serious eye damage.
- Skin Irrit. 2: Causes skin irritation.
- Skin Sens. 1: May cause an allergic skin reaction.
- STOT SE 3: May cause respiratory irritation.

Precautionary statements:

- If medical advice is needed, have product container or label at hand.
- Keep out of reach of children.
- Read label before use.
- Wear protective gloves/protective clothing/eye protection/face protection.
- IF ON SKIN: Wash with plenty of water.
- IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Dispose of contents/container in accordance with the applicable waste treatment legislation.

Supplementary information:

Contains cement, chemical products. May produce an allergic reaction.

Substances contributing to the classification:

Cement, chemical products.

2.3 Other hazards.

Not relevant.

3 COMPOSITION/INFORMATION ON INGREDIENTS.

3.1 Substances.

Chemical description:

Mixture of cements, acrylic resin, celluloses, silicas, limestone.

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification		Chemical name/classification	Concentration
CAS:	65997-15-1	**Cement, chemical products**	**10 - <40 %**
EC:	266-043-4	Self-classified	
Index:	Not applicable	Directive 67/548/EC: Xi: R37/38, R41, R43	
REACH:	Not applicable	Regulation 1272/2008: Eye Dam. 1: H318; Skin Irrit. 2: H315; Skin Sens. 1: H317; STOT SE 3: H335 - Danger	

For further information on the hazards of the substances, see sections 8, 11, 12 and 16.

4 FIRST AID MEASURES.

4.1 Description of first aid measures.

Symptoms resulting from poisoning may appear after exposure; therefore, in case of doubt, direct exposure to the chemical product or persistence of discomfort, seek medical attention, showing the SDS of this product.

In case of skin contact:

Remove contaminated clothing and shoes, rinse the skin or shower the affected person, where appropriate, with plenty of cold water and neutral soap. In case of significant effects, see a doctor. If the product causes burns or frostbite, clothing must not be removed, as this could worsen the injury if it is stuck to the skin. If blisters form on the skin, they must never be burst, as this would increase the risk of infection.

If swallowed:

Do not induce vomiting; if it occurs, keep the head tilted forward to avoid aspiration. Keep the affected person at rest. Rinse the mouth and throat, as they may have been affected during ingestion.

In case of inhalation:

Remove the affected person from the place of exposure, provide fresh air and keep them at rest. In serious cases such as cardiorespiratory arrest, artificial respiration techniques (mouth-to-mouth resuscitation, cardiac massage, oxygen supply, etc.) will be applied, requiring immediate medical assistance.

In case of eye contact:

Rinse the eyes with plenty of water at room temperature for at least 15 minutes. Prevent the affected person from rubbing or closing their eyes. If the injured person wears contact lenses, these must be removed provided they are not stuck to the eyes; otherwise additional damage could occur. In all cases, after washing, seek medical attention as quickly as possible, taking the SDS of the product.

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

The acute and delayed effects are those indicated in sections 2 and 11.

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

Not relevant.

5 FIRE-FIGHTING MEASURES.

5.1 Extinguishing media.

Suitable extinguishing media:

Product not flammable under normal conditions of storage, handling and use. In case of ignition as a result of improper handling, storage or use, preferably use multipurpose dry powder extinguishers (ABC powder), in accordance with the Regulation on fire protection installations (R.D. 1942/1993 and subsequent amendments). The use of a water jet as an extinguishing agent is NOT RECOMMENDED.

5.2 Special hazards arising from the substance or mixture.

The product is not flammable, is not explosive and neither facilitates nor feeds the combustion of other materials.

5.3 Advice for fire-fighters.

Depending on the scale of the fire, it may be necessary to use full protective clothing and self-contained breathing apparatus. Have a minimum of emergency facilities or means of action (fire blankets, portable first-aid kit, etc.) in accordance with Royal Decree 486/1997 and subsequent amendments.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on action in the event of accidents and other emergencies. Eliminate any source of ignition. In case of fire, cool the containers and storage tanks of products liable to ignition, explosion or BLEVE as a result of high temperatures. Prevent the products used in fire-fighting from being discharged into the aquatic environment.

6 ACCIDENTAL RELEASE MEASURES.

6.1 Personal precautions, protective equipment and emergency procedures.

Sweep up and collect the product with shovels or other means and place it in a container for reuse (preferably) or disposal. See sections 8 and 13.

6.2 Environmental precautions.

Under Community environmental protection legislation, it is recommended to avoid discharge of both the product and its packaging into the environment.

6.3 Methods and material for containment and cleaning up.

The following is recommended:

Sweep up and collect the product with shovels or other means and place it in a container for reuse (preferably) or disposal.

6.4 Reference to other sections.

See also sections 8 and 13.

7 HANDLING AND STORAGE.

7.1 Precautions for safe handling.

A.- General precautions:

Use in ventilated areas. Avoid the formation and accumulation of dust.

B.- Technical recommendations for the prevention of fires and explosions:

Product not flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that could affect flammable products. See section 10 for conditions and materials to avoid.

C.- Technical recommendations for preventing ergonomic and toxicological risks:

For exposure control see section 8. Do not eat, drink or smoke in work areas; wash hands after each use, and remove contaminated clothing and protective equipment before entering eating areas.

D.- Technical recommendations for preventing environmental risks:

Under Community environmental protection legislation, it is recommended to avoid discharge of both the product and its packaging into the environment.

7.2 Conditions for safe storage, including any incompatibilities.

A.- Technical storage measures:

ITC (R.D. 379/2001):	Not relevant
Classification:	Not relevant
Max. temp.:	40 °C
Min. temp.:	5 °C

B.- General storage conditions:

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see section 10.5. Keep the container tightly closed and protected from exposure to air and moisture.

7.3 Specific end use(s).

Except for the indications already specified, no special recommendation is necessary regarding the uses of this product.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION.

8.1 Control parameters.

Substances whose occupational exposure limit values must be monitored in the workplace atmosphere (INSHT 2013):

Identification	Ambient limit values	
Cement, chemical products CAS: 65997-15-1 CE: 266-043-4	VLA-ED	4 mg/m³
	VLA-EC	
	Year	2014

DNEL (workers):

Not relevant.

PNEC:

Not relevant.

8.2 Exposure controls.

A.- General safety and hygiene measures in the work environment:

In accordance with the order of priority for the control of occupational exposure (R.D. 374/2001 and subsequent amendments), local exhaust ventilation in the work area is recommended as a collective protection measure to avoid exceeding the occupational exposure limits. Where personal protective equipment is used, it must bear the "CE marking" in accordance with R.D. 1407/1992 and subsequent amendments. For further information on personal protective equipment (storage, use, cleaning, maintenance, protection class, etc.), consult the information leaflet provided by the PPE manufacturer. The indications contained in this point refer to the pure product. Protective measures for the diluted product may vary depending on its degree of dilution, use, application method, etc. To determine the obligation to install emergency showers and/or eyewash stations in warehouses, the regulations on the storage of chemical products applicable in each case shall be taken into account. For further information see sections 7.1 and 7.2. All the information included here is a recommendation, and it must be specified by the occupational risk prevention services, as any additional preventive measures that the company may have in place are unknown.

B.- Respiratory protection:

Pictogram	PPE	Marking	CEN standards	Remarks
 Mandatory respiratory protection	Self-filtering mask for gases, vapours and particles	CE CAT III	EN 149:2001+A1:2009 EN 405:2001+A1:2009	Replace when an increase in breathing resistance is noticed and/or the smell or taste of the contaminant is detected.

C.- Specific hand protection:

Pictogram	PPE	Marking	CEN standards	Remarks
 Mandatory hand protection	Chemical protective gloves	CE CAT I	EN 374-1:2003 EN 374-3:2003/AC:2006 EN 420:2003+A1:2009	Replace gloves at any sign of deterioration.

D.- Eye protection:

Pictogram	PPE	Marking	CEN standards	Remarks
 Mandatory face protection	Panoramic goggles against splashes and/or projections	CE CAT II	EN 166:2001 EN 172:1994/A1:2000 EN 172:1994/A2:2001 EN ISO 4007:2012	Clean daily and disinfect periodically in accordance with the manufacturer's instructions. Use is recommended where there is a risk of splashes.

E.- Body protection:

Pictogram	PPE	Marking	CEN standards	Remarks
	Work clothing	CE CAT I	EN ISO 13688:2013	For exclusive use at work.
	Non-slip work footwear	CE CAT II	EN ISO 20347:2012 EN ISO 20344:2011	None.

F.- Complementary emergency measures:

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2002	 Eyewash station	DIN 12 899 ISO 3864-1:2002

Environmental exposure controls:

Under Community environmental protection legislation, it is recommended to avoid discharge of both the product and its packaging into the environment. For additional information see section 7.1.D.

9 PHYSICAL AND CHEMICAL PROPERTIES.

9.1 Information on basic physical and chemical properties.

For further information see the technical data sheet/product specification sheet.

Physical state at 20 °C:	Solid

Physical appearance:

Appearance:	Powdery
Colour:	Not determined
Odour:	Not determined

Volatility:

Boiling point at atmospheric pressure:	Not relevant*
Vapour pressure at 20 °C:	Not relevant*
Vapour pressure at 50 °C:	Not relevant*
Evaporation rate at 20 °C:	Not relevant*

Product characteristics:

Density at 20 °C:	Not relevant*
Relative density at 20 °C:	Not relevant*
Dynamic viscosity at 20 °C:	Not relevant*
Kinematic viscosity at 20 °C:	Not relevant*
Kinematic viscosity at 30 °C:	Not relevant*
Concentration:	Not relevant*
pH:	Not relevant*
Vapour density at 20 °C:	Not relevant*
Partition coefficient n-octanol/water at 20 °C:	Not relevant*
Water solubility at 20 °C:	Not relevant*
Solubility property:	Not relevant*
Decomposition temperature:	Not relevant*
Melting point/freezing point:	Not relevant*

Flammability:

Flash point:	Not flammable (>60 °C)
Auto-ignition temperature:	Not relevant*
Lower flammability limit:	Not relevant*
Upper flammability limit:	Not relevant*

*Not relevant due to the nature of the product, as it does not provide information characteristic of its hazardousness.

9.2 Additional information.

Surface tension at 20 °C:	Not relevant
Refractive index:	Not relevant

10 STABILITY AND REACTIVITY.

10.1 Reactivity.

No hazardous reactions are expected if the technical instructions for the storage of chemical products are followed. See section 7.

10.2 Chemical stability.

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions.

Under the indicated conditions, no hazardous reactions that could produce excessive pressure or temperatures are expected.

10.4 Conditions to avoid.

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Heating	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Avoid direct exposure

10.5 Incompatible materials.

Acids	Water	Oxidising materials	Combustible materials	Others
Incompatible	Formation of silicates and calcium hydroxide	Not applicable	Not applicable	Salts of non-noble metals (Al, NH4,...)

10.6 Hazardous decomposition products.

See sections 10.3, 10.4 and 10.5 for the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances may be released as a result of it: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

11 TOXICOLOGICAL INFORMATION.

11.1 Information on toxicological effects.

No experimental data on the toxicological properties of the product itself are available. When carrying out the hazard classification for corrosive or irritant effects, the recommendations contained in point 3.2.5 of Annex VI of Royal Decree 363/1995 (Directive 67/548/EC), in paragraphs b) and c) of point 3 of Article 6 of Royal Decree 255/2003 (Directive 1999/45/EC) and in point 3.2.3.3.5 of Annex I of the CLP Regulation have been taken into account.

Hazardous effects on health:

In case of repeated or prolonged exposure, or at concentrations higher than those established by the occupational exposure limits, adverse effects on health may occur depending on the route of exposure:

A.- Ingestion (acute hazard):	In view of the available data, the classification criteria are not met, as the product does not contain substances classified as hazardous by ingestion. For further information see section 3.
B.- Inhalation (acute hazard):	Causes respiratory tract irritation, normally reversible and usually limited to the upper respiratory tract.
C.- Skin and eye contact:	It may mainly have harmful effects on health if the product is absorbed through the skin. For further information on secondary effects from skin contact see section 2. Causes significant eye injuries after contact.
D.- CMR effects (carcinogenicity, mutagenicity and reproductive toxicity):	In view of the available data, the classification criteria are not met, as the product does not contain substances classified as hazardous for the effects described. For further information see section 3.
E.- Sensitising effects:	Prolonged contact with the skin may lead to episodes of allergic contact dermatitis.
F.- Specific target organ toxicity (STOT) - single exposure:	In view of the available data, the classification criteria are not met; however, the product contains substances classified as hazardous by inhalation. For further information see section 3.
G.- Specific target organ toxicity (STOT) - repeated exposure:	In view of the available data, the classification criteria are not met; however, the product contains substances classified as hazardous by inhalation. For further information see section 3.
H.- Aspiration hazard:	In view of the available data, the classification criteria are not met; however, the product contains substances classified as hazardous by inhalation. For further information see section 3.

Additional information:

In contact with moist skin, without adequate protection, it may cause skin thickening, cracking or fissures.

Specific toxicological information on the substances:

Not determined.

12 ECOLOGICAL INFORMATION.

No experimental data are available on the mixture itself regarding ecotoxicological properties.

12.1 Toxicity.

Not determined.

12.2 Persistence and degradability.

Not available.

12.3 Bioaccumulative potential.

Not determined.

12.4 Mobility in soil.

Not determined.

12.5 Results of PBT and vPvB assessment.

Not applicable.

12.6 Other adverse effects.

Not described.

13 DISPOSAL CONSIDERATIONS.

13.1 Waste treatment methods.

Code	Description	Type of waste (Directive 2008/98/EC)
08 04 09*	Waste adhesives and sealants containing organic solvents or other hazardous substances	Hazardous

Waste management (disposal and recovery):

Consult an authorised waste manager regarding recovery and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC, Law 22/2011). In accordance with codes 15 01 (2000/532/EC), if the packaging has been in direct contact with the product, it shall be managed in the same way as the product itself; otherwise it shall be managed as non-hazardous waste. Discharge into watercourses is not recommended. See section 6.2.

Legislative provisions related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH), the Community or national provisions related to waste management are set out.

- Community legislation: Directive 2008/98/EC, 2000/532/EC: Commission Decision of 3 May 2000.
- National legislation: Law 22/2011.

14 TRANSPORT INFORMATION.

This product is not regulated for transport (ADR/RID, IMDG, IATA).

15 REGULATORY INFORMATION.

15.1 Regulations/legislation specific for the substance or mixture on safety, health and environment.

Candidate substances for authorisation under Regulation (EC) 1907/2006 (REACH):	Not relevant
Regulation (EC) 1005/2009 on substances that deplete the ozone layer:	Not relevant
Active substances that have not been approved in accordance with Article 9 of Regulation (EU) No 528/2012:	Not relevant
Regulation (EC) 649/2012 concerning the export and import of hazardous chemicals:	Not relevant
Restrictions on the marketing and use of certain hazardous substances and mixtures (Annex XVII of the REACH Regulation):	Not relevant

Specific provisions regarding the protection of people or the environment:

It is recommended to use the information compiled in this safety data sheet as input data for a risk assessment of local circumstances, in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

15.2 Chemical safety assessment.

The supplier has not carried out a chemical safety assessment.

16 OTHER INFORMATION.

Legislation applicable to safety data sheets:

This safety data sheet has been prepared in accordance with ANNEX II - Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (Regulation (EC) No 453/2010).

Modifications with respect to the previous safety data sheet that affect risk management measures:

Regulation No 1272/2008 (CLP): Precautionary statements.

Texts of the legislative phrases referred to in section 3:

The phrases indicated do not refer to the product itself; they are for information purposes only and refer to the individual components appearing in section 3.

Directive 67/548/EC and Directive 1999/45/EC:

R37/38:	Irritating to respiratory system and skin.
R41:	Risk of serious damage to eyes.
R43:	May cause sensitisation by skin contact.

Regulation No 1272/2008 (CLP):

Eye Dam. 1:	H318 - Causes serious eye damage.
Skin Irrit. 2:	H315 - Causes skin irritation.
Skin Sens. 1:	H317 - May cause an allergic skin reaction.
STOT SE 3:	H335 - May cause respiratory irritation.

Training advice:

Minimum training in occupational risk prevention is recommended for personnel who will handle this product, in order to facilitate understanding and interpretation of this safety data sheet, as well as of the product labelling.

Main bibliographic sources:

http://esis.jrc.ec.europa.eu

http://echa.europa.eu

http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG:	International Maritime Dangerous Goods Code
IATA:	International Air Transport Association
ICAO:	International Civil Aviation Organization
COD:	Chemical oxygen demand
BOD5:	Biological oxygen demand after 5 days
BCF:	Bioconcentration factor
LD50:	Lethal dose 50
LC50:	Lethal concentration 50
EC50:	Effective concentration 50
Log POW:	Logarithm of the octanol-water partition coefficient
Koc:	Organic carbon partition coefficient

Disclaimer:

The information contained in this publication is true and accurate. It is extracted from the safety data sheets of raw materials, to whose knowledge and good work we refer.

We do not guarantee the recommendations or suggestions given herein, since the conditions of use are beyond our control. Consequently, it is the user's responsibility to decide, under their own responsibility, whether this information is appropriate and useful.