# FINE 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:** | FINE 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<br>CAS: 65997-15-1<br>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<br>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<br>EN 374-3:2003/AC:2006<br>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<br>EN 172:1994/A1:2000<br>EN 172:1994/A2:2001<br>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<br>EN ISO 20344:2011 | None. |

**F.- Complementary emergency measures:**

| Emergency measure | Standards | Emergency measure | Standards |
|---|---|---|---|
|  Emergency shower | ANSI Z358-1<br>ISO 3864-1:2002 |  Eyewash station | DIN 12 899<br>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.