

SAFETY DATA SHEET (MSDS)

Compliant with WHMIS 2015 and GHS Standards



MARTE High fire red clay

Rev. 2

Date 15.05.25

1. Identification of the substance / mixture and of the company:

1.1. Product identifier

Mixture identification:

Trade name: MARTE

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

Recommended use:

Ceramic clay or natural modelling clay. Designed for artistic ceramics and pottery.

1.3. Details of the supplier of the safety data sheet

CERÁMICA COLLET S.A.

Pol. Ind. L'Olana s/n

E-08292 Esparreguera (Barcelona) – SPAIN

Tel. +34 93 777 23 44 Fax +34 93 770 94 11

Web: www.sio-2.com

Competent person responsible for the safety data sheet:

msds@sio-2.com

1.4. Emergency telephone number

CERÁMICA COLLET S.A.: +34 937 772 344 (07:00-15:00 GMT +01:00)

2. Hazards Identification

2.1. Classification of the substance or mixture

WHMIS 2015 Classification: *Not classified as hazardous under the Workplace Hazardous Materials Information System (WHMIS 2015).*

OSHA Classification: *Not classified as hazardous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).*

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

The product is not classified as hazardous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

Hazard pictograms:

None

Hazard statements:

None

Precautionary statements:

None

Special Provisions:

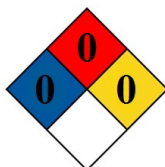
EUH210 Safety Data Sheet available on request.

Ingredient(s) with unknown acute toxicity:

None.

Additional classification information

NFPA rating:



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HMIS rating:

| | | |
|---------------------|---|---|
| HEALTH | * | 0 |
| FLAMMABILITY | | 0 |
| PHYSICAL HAZARD | | 0 |
| PERSONAL PROTECTION | | |

2.3. Other hazards

No PBT, mPmB or endocrine disruptor substances present in concentration $\geq 0.1\%$

Other Hazards:

This product is supplied exclusively in plastic paste form. Under intended and normal conditions of use, it does not generate airborne dust.

The content of respirable crystalline silica is below 0.1% * by weight, as defined by the Hazardous Products Regulations (SOR/2015-17). Therefore, the product is not classified as hazardous under WHMIS 2015.

Only if the product is dried and subjected to mechanical actions such as sanding or grinding, outside of its intended use, could limited amounts of dust be generated. In such cases, proper dust control and respiratory protection should be used to avoid exposure to respirable particles.

**According to Section 4.5.1 of the Canadian Hazardous Products Regulations (SOR/2015-17), classification as a carcinogen under WHMIS 2015 is not required when respirable crystalline silica is present at concentrations lower than 0.1% w/w in the product.*

3. Composition / Information on ingredients

3.1. Substances

Contains less than 1% respirable crystalline silica.

3.2. Mixtures

Hazardous components classified according to the Hazardous Products Regulations (SOR/2015-17) under WHMIS 2015 and their corresponding classification:

| Component | CAS | Classification | Concentration | Exposure limits |
|--|------------|--------------------------------------|---------------|-----------------|
| Crystalline silica (quartz), non-respirable fraction | 14808-60-7 | - | 10-20% | - |
| Crystalline silica (quartz), respirable | 14808-60-7 | Carc. 1A (H350i), STOT RE1 (H372) | $<0.1\%$ | $\geq 0.1\%$ |

4. First aid measures

4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do not induce vomiting. Rinse mouth and seek medical advice if discomfort occurs.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

None

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

Treatment:

None



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5. Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Spray water.
Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons:

Direct or high pressure water jets.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.
Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus.
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Move undamaged containers from immediate hazard area if it can be done safely.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.
Remove persons to safety.
See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
Retain contaminated washing water and dispose it.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
Suitable material for taking up: absorbing material, organic, sand.

6.3. Methods and material for containment and cleaning up

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13.

7. Handling and storage

7.1. Precautions for safe handling

Avoid contact with eyes.
See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

Do not eat or drink while working.
If the product is allowed to dry and is subsequently sanded or ground, adequate ventilation or respiratory protection should be used to avoid exposure to any potentially respirable dust.

7.2. Conditions for safe storage, including any incompatibilities

Keep out of frost (keep at temperature >0°C).
Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

7.3. Specific end use(s)

None in particular.

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8. Exposure controls / personal protection

8.1. Control parameters

| Substance | CAS No. | Fraction | Occupational Exposure Limit (8h TWA) | Regulatory Source |
|-----------------------------|------------|------------------------------|--|---|
| Crystalline silica (quartz) | 14808-60-7 | Respirable fraction (<10 µm) | 0.1 mg/m ³ (inhalable, respirable dust) | ACGIH TLV (2023), Ontario OEL, WHMIS 2015 (reference) |

8.2. Exposure controls

Eye protection:

Not needed for normal use. Anyway, operate according good working practices.

Protection for skin:

No special precaution must be adopted for normal use.

Protection for hands:

Not needed for normal use.

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|-----------------------|
| Physical state: | Plastic clay |
| Colour: | Ocher |
| Odour: | N.A. |
| Melting point/freezing point: | N.A. |
| Boiling point or initial boiling point and boiling range: | N.A. |
| Flammability: | N.A. |
| Lower and upper explosion limit: | N.A. |
| Flash point: | N.A. |
| Auto-ignition temperature: | N.A. |
| Decomposition temperature: | N.A. |
| pH: | N.A. |
| Kinematic viscosity: | N.A. |
| Solubility in water: | Insoluble |
| Solubility in oil: | N.A. |
| Partition coefficient n-octanol/water (log value): | N.A. |
| Vapour pressure: | N.A. |
| Density and/or relative density: | 2.0 g/cm ³ |
| Relative vapour density: | N.A. |
| Auto-ignition temperature: | N.A. |
| Decomposition temperature: | N.A. |
| Viscosity: | N.A. |
| Oxidizing properties: | N.A. |

9.2. Other information

No additional information available

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10. Stability and reactivity

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

None

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

None in particular.

10.6. Hazardous decomposition products

None.

11. Toxicological information

11.1. Information on hazard classes as defined by the Globally Harmonized System (GHS) in accordance with the Hazardous Products Regulations (HPR).

Toxicological information of the product:

- a) acute toxicity:
Not classified.
Based on available data, the classification criteria are not met.
- b) skin corrosion/irritation:
Not classified.
Based on available data, the classification criteria are not met.
- c) serious eye damage/irritation:
Not classified.
Based on available data, the classification criteria are not met.
- d) respiratory or skin sensitisation:
Not classified.
Based on available data, the classification criteria are not met.
- e) germ cell mutagenicity:
Not classified.
Based on available data, the classification criteria are not met.
- f) carcinogenicity:
Not classified.
Based on available data, the classification criteria are not met.
- g) reproductive toxicity:
Not classified.
Based on available data, the classification criteria are not met.
- h) STOT-single exposure:
Not classified.
Based on available data, the classification criteria are not met.
- i) STOT-repeated exposure:
Not classified.
Based on available data, the classification criteria are not met.
- j) aspiration hazard:
Not classified.
Based on available data, the classification criteria are not met.

Toxicological information of the main substances found in the product:

N.A.

11.2 Information on other hazards

Substance(s) listed on the NTP report on Carcinogens:

No.

Substance(s) listed on the IARC Monographs:

None.



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Substance(s) listed as OSHA Carcinogen(s):
No.

Substance(s) listed as NIOSH Carcinogen(s):
No.

12. Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.
Based on available data, the classification criteria are not met

12.2. Persistence and degradability

None
N.A.

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6 Endocrine disrupting properties

No endocrine disruptors present at concentration $\geq 0.1\%$

12.7. Other adverse effects

None

13. Disposal considerations

13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

14. Transport information

14.1. UN number or ID number

Not classified as dangerous in the meaning of transport regulations.

14.2. UN proper shipping name

N.A.

14.3. Transport hazard class(es)

Not regulated as a dangerous good under TDG regulations.

14.4. Packing group

N.A.

14.5. Environmental hazards

| | |
|---|----|
| Environmental pollutant under the Hazardous Products Regulations (HPR): | No |
| IMDG - Marine pollutant: | No |

14.6. Special precautions for user

N.A.

14.7. Maritime transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)

N.A.

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15. Regulatory information

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

Canadian Regulations:

Compliant with WHMIS 2015.

Not listed under CEPA's toxic substances.

International Regulations:

REACH (EU Regulation 1907/2006): Compliant

USA - Federal regulations

TSCA - Toxic Substances Control Act

This substance is not listed on the TSCA inventory.

TSCA listed substances: None.

SARA - Superfund Amendments and Reauthorization Act

Section 302 – Extremely Hazardous Substances: No.

Section 304 – Hazardous substances: No.

Section 313 – Toxic chemical list: No.

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act: No substances listed.

CAA - Clean Air Act

CAA listed substances: None.

CWA - Clean Water Act

CWA listed substances: None.

USA - State specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65: None.

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know: No.

New Jersey Right to know

Substance(s) listed under New Jersey Right to know: No.

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know: No.

Restrictions related to the product or contained substances:

In accordance with the Hazardous Products Regulations (HPR) and the Globally Harmonized System (GHS):

Restrictions related to the product:

No restriction.

Restrictions related to the substances contained:

No restriction.

Where applicable, refer to the following regulatory provisions:

Directive 2012/18/EU (Seveso III).

Regulation (EC) nr 648/2004 (detergents).

Dir. 2004/42/EC (VOC directive).

Provisions related to directives EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1

None.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

16. Other information

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

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It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

| | |
|-----------|--|
| ADR: | European Agreement concerning the International Carriage of Dangerous Goods by Road. |
| ATE: | Acute Toxicity Estimate |
| ATEmix: | Acute toxicity Estimate (Mixtures) |
| CAS: | Chemical Abstracts Service (division of the American Chemical Society). |
| CLP: | Classification, Labeling, Packaging. |
| DNEL: | Derived No Effect Level. |
| EINECS: | European Inventory of Existing Commercial Chemical Substances. |
| GHS: | Globally Harmonized System of Classification and Labeling of Chemicals. |
| HMIS: | Hazardous Materials Identification System |
| IARC: | International Agency for Research on Cancer |
| IATA: | International Air Transport Association. |
| IATA-DGR: | Dangerous Goods Regulation by the "International Air Transport Association" (IATA). |
| ICAO: | International Civil Aviation Organization. |
| ICAO-TI: | Technical Instructions by the "International Civil Aviation Organization" (ICAO) |
| IMDG: | International Maritime Code for Dangerous Goods. |
| INCI: | International Nomenclature of Cosmetic Ingredients. |
| KSt: | Explosion coefficient. |
| LC50: | Lethal concentration, for 50 percent of test population. |
| LD50: | Lethal dose, for 50 percent of test population. |
| NFPA: | National Fire Protection Association |
| NIOSH: | National Institute for Occupational Safety and Health |
| NTP: | National Toxicology Program |
| OSHA: | Occupational Safety and Health Administration |
| PNEC: | Predicted No Effect Concentration. |
| RID: | Regulation Concerning the International Transport of Dangerous Goods by Rail. |
| STEL: | Short Term Exposure limit. |
| STOT: | Specific Target Organ Toxicity. |
| TLV: | Threshold Limiting Value. |
| TWA: | Time-weighted average |