SAFETY DATA SHEET (MSDS)

Regulation (UE) n. 2020/878

MARTE High fire red clay

Rev. 0
Date 25.11.24

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. Telf: +34 937772344 (07:00-15:00; GMT +01:00)

2. Hazards Identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)
The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Adverse physicochemical, human health and environmental effects:
No other hazards

2.2. Label elements

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Harzard pictograms:
None

Hazard statements:
None

Precautionary statements:
None

Special Provisions:
EUH210 Safety data sheet available on request.

Special provisions according to Annex XVII of REACH and subsequent amendments:
None

2.3. Other hazards

No PBT, mPmB or endocrine disruptor substances present in concentration >= 0.1%

Other Hazards:
No other hazards

3. Composition / Information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

None.

4. First aid mesures

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 under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

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:
Symptomatic treatment.

5. Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media:
Spray water.
Carbon dioxide (CO_2).

Extinguishing media which must not be used for safety reasons:
None in particular.

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.

7.2. Conditions for safe storage, including any incompatibilities

Keep out of frost (keep at temperature >0ºC).
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.

8. Exposure controls / personal protection

8.1. Control parameters

No occupational exposure limit available.

DNEL Exposure Limit Values
N.A.
PNEC Exposure Limit Values
N.A.

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.
Explosive properties:	N.A.
Oxidizing properties:	N.A.
Particle characteristics:	
Particle size:	N.A.

9.2. Other information

No additional information available

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 in Regulation (EC) No 1272/2008

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

Endocrine disrupting properties:
No endocrine disruptor substances present in concentration >= 0.1%

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 Endrocrine disrupting properties

no endocrine disruptors present at concentration >= 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)

N.A.

14.4. Packing group

N.A.

14.5. Environmental hazards

ADR-Enviromental Pollutant:	No
IMDG-Marine pollutant:	No

14.6. Special precautions for user

N.A.

14.7. Maritime transport in bulk according to IMO instruments

N.A.

15. Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) n. 2020/878
Regulation (EU) 2015/830
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)
Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Regulation (EU) n. 2016/918 (ATP 8 CLP)
Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)
Regulation (EU) n. 2018/669 (ATP 11 CLP)
Regulation (EU) n. 2018/1480 (ATP 13 CLP)
Regulation (EU) n. 2019/521 (ATP 12 CLP)
Regulation (EU) n. 2020/217 (ATP 14 CLP)
Regulation (EU) n. 2020/1182 (ATP 15 CLP)
Regulation (EU) n. 2021/643 (ATP 16 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

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.

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.
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.
ATE	Acute Toxicity Estimate
ATEmix	Acute toxicity Estimate (Mixtures)
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
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.
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.
WGK:	German Water Hazard Class.