

Material safety data sheet
According to EU Regulation 1907/2006 in the current version
Red Clay

1. Identification of the substance/mixture and company

Trade name:	Red Clay
Chemical formula	Smectite - Red clay, natural silicate of aluminum, iron and magnesium > 97 % (Na,Ca)O0,33(Al,Mg)2Si4O10(OH)2,nH2O
INCI	Montmorillonite
CAS No. :	1318-93-0
EINECS/EC No. :	215-288-5
REACH pre-registration No. :	-
Utilization:	Raw material for cosmetic or professional use
Supplier company identification:	Elemental SRL, Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania Tel/Fax: +40259-436.755, www.elemental.eu
Emergency:	RO: număr național pentru cazuri de urgență: 021 3183606 Institutul de Sănătate Publică București. International emergency number: +49 180 2273-112

2. Hazards Identification

2.1 Classification
Not a hazardous substance or mixture
Harmless product

3. Declaration of ingredients

Nature of the product: raw material: 100% natural
INCI name : MONTMORILLONITE
CAS number : 1318-93-0
EINECS : 215-288-5
Formula : (Na,Ca)O0,33(Al,Mg)2Si4O10(OH)2,nH2O

4. First aid measures

If contact with skin : Remove contaminated clothing, rinse with water (or soap and water)
If contact with the eyes : Flush thoroughly with water for at least 10 minutes. Seek medical attention if irritation marks appear.
If accidental ingestion : Drink water
If fulsome inhalation : Take the person to the closest source of fresh air and look after that person.
General comment : Clay is not a dangerous product, however if a consequential intoxication occurs, getting medical attention becomes crucial.

5. Fire fighting measures

5.1 Protection measures against fire

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Clay is not inflammable, however the container is made with paper. Therefore, use an appropriate fire-extinguisher if needed. (use a water spray extinguisher).

5.2 Individual precaution : avoid contact with the eyes.

6. Accidental release measures

Precaution to protect the environment : avoid to spill in the sewer, in the ground or in any aquatic surroundings.
Cleaning methods : Use a broom or a vacuum.

7. Handling and storage

Handling: Avoid contact with the eyes. Follow the usual hygiene rules. Keep rooms well aired out.
Storage : It is recommended to store the clay in closed wooden barrels, preferably filled up and sheltered away from extreme temperatures and humidity.

8. Exposure controls / personal protection

Exposure control : Keep rooms well aired.
Breathing protection : In the case of poor ventilation, wear a self contained breathing device.
Hand protection : When it is necessary to wear gloves, rather use natural rubber gloves.
Eye protection : If an eye protection is necessary, rather use waterproof glasses.
Skin protection : In function of the organisation of the workplace, wear special clothing which protects from contamination made by the smell of personal clothes. Follow the usual rules of hygiene.

9. Physical and chemical properties

Appearance Fine powder
Particle size < 77µm
Color Red
Odor Odorless
Density 0.7 - 0.8 g/cm³
Cation exchange Capacity(CEC) > 59.5 Meq per 100 g
Loss of Ignition (1000°C) 15.83 %

10. Stability and reactivity

Good stability to common temperatures, keep away from humidity.
Avoid exposure to temperatures which are close to the flash-point. Do not heat up.
Avoid contact with oxidizing agents.

11. Toxicological information

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Complying with the standard EEC rules.

12. Ecological information

Ecological: No data available.

Environmental Impact: Safe under normal use. Packaging material is compatible with solid waste disposal

Does not contain any « perhalogen » substance, or any similar product made to remain in the environment.

This product was not subject to any « ecotoxicologic » tests. Due to the difficulty of using the common « ecotoxicologic » test methods to predict the impact of the various ways of contact with vulnerable areas in the ecosystem, this product must be considered and handled as if it were a potential threat for the environment. Take therefore all necessary precautions.

13. Disposal considerations

Garbage and refuse must be eliminated in keeping with the rules the European union or according to the national or regional legislation currently enacted.

14. Transport information

In the case of an accidental leak or fire during transportation, please consult the above instructions.

15. Regulatory information

Pure raw material. May be destined to private use under that form or to industrial use.

16. Additional information

16.1 Abbreviations

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.

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.

LTE: Long-term exposure.

PNEC: Predicted No Effect Concentration.

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RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

STE: Short-term exposure.

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.

PRESENCE OF ALLERGENS IN THE RAW MATERIALS

ALLERGENS	PRESENCE
Sulphites	No
Peanut And derived products (including oil)	No
Almond and derivatives (including oil)	No
Hazelnut and derivatives (including oil)	No
Cashew nut and derivatives (including oil)	No
Macadamia nut (including oil)	No
Pecan nut and derivatives (including oil)	No
Queesland nut and derivatives (including oil)	No
Brazilian nut and derivatives (including oil)	No
Nuts and derivatives (including oil)	No
Pine nut and derivatives (including oil)	No
Pistachio and derivatives	No
Other shell fruits or derivatives	No
Eggs and ovoproducts	No
Fish - crustaceans and derived products (including gelatine)	No
Soy and derived products (including lecithin)	No
Gluten coming from:	
wheat	No
rye	No
barley	No
spelt	No
oat	No
hybrid kinds and products derived fril gluten	No
products taken from cereals containing gluten	No

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kamut	No
milk	No
Dairy products including lactose, any other product derived from milk	No
Sesame and derivatives (including oil)	No
Lupine and derivatives	No
Celery and derivatives	No
Mustard and derivatives	No

PRESENCE OF TRACES OF ALLERGENS (Risk of crossed contamination)

ALLERGENS	FACTORY	WORKSHOP	PRODUCTION LINE	FORM (Seed, Flour, Oil)
Sulphites	No	No	No	No
Peanut And derived products (including oil)	No	No	No	No
Almond and derivatives (including oil)	No	No	No	No
Hazelnut and derivatives (including oil)	No	No	No	No
Cashew nut and derivatives (including oil)	No	No	No	No
Macadamia nut (including oil)	No	No	No	No
Pecan nut and derivatives (including oil)	No	No	No	No
Queensland nut and derivatives (including oil)	No	No	No	No
Brazilian nut and derivatives (including oil)	No	No	No	No
Nuts and derivatives (including oil)	No	No	No	No
Pine nut and derivatives (including oil)	No	No	No	No
Pistachio and derivatives	No	No	No	No
Other shell fruits or derivatives	No	No	No	No
Eggs and ovoproduits	No	No	No	No
Fish - crustaceans and derived products (including gelatine)	No	No	No	No
Soy and derived products (including lecithin)	No	No	No	No
Gluten coming from:	No	No	No	No
wheat	No	No	No	No

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rye	No	No	No	No
barley	No	No	No	No
spelt	No	No	No	No
oat	No	No	No	No
hybrid kinds and products derived from gluten	No	No	No	No
products taken from cereals containing gluten	No	No	No	No
kamut	No	No	No	No
milk	No	No	No	No
Dairy products including lactose, any other product derived from milk	No	No	No	No
Sesame and derivatives (including oil)	No	No	No	No
Lupine and derivatives	No	No	No	No
Celery and derivatives	No	No	No	No
Mustard and derivatives	No	No	No	No

PARTICULAR RISK : PEANUT
None

GENETICALLY MODIFIED ORGANISM
None

COSMETIC ALLERGENS (Directive 2003/15/CE)

n°	N° CAS	USUAL NAME	SUBSTANCE	INCI NAME	PRESENCE
1	122-40-7	Jasmonal	2-Benzylidèneheptanal	2-Benzylidèneheptanal	No
2	100-51-6	Benzyl Alcohol	Alcool Benzylque	Benzyl Alcohol	No
3	104-54-01	Alc Cinnamique	Alcool Cinnamylique	Cinnamyl Alcohol	No
4	5392-40-5	Citral	Citral	Citral	No
5	97-53-0	Eugénol	Eugénol	Eugenol	No
6	107-75-5	Hysimal (mélange)	7-Hydroxycitronellal	Hydroxycitronellal	No
7	97-54-1	Isoeugénol	Isoeugénol	Isoeugenol	No
8	101-85-9	-	2-pentyl-3Phenylprop-2-ène-1-ol	2-pentyl-3Phenylprop-2-ène-1-ol	No
9	118-58-1	Benzyl Salicylate	Salicylate de Benzyle	Benzyl Salicylate	No

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10	104-55-2	Cinnamaldéhyde	Cinnamaldéhyde	Cinnamal	No
11	91-64-5	Coumarine	Coumarine	Coumarin	No
12	106-24-1	Géraniol	Géraniol	Geraniol	No
13	31906-04-4	Lylal	4-(4-Hydroxy-4-méthyl pentyl) cyclohex-3-ène carbaldéhyde	4-(4-Hydroxy-4-méthyl pentyl) cyclohex-3-ène carbaldéhyde	No
14	105-13-5	-	Alcool 4-methoxy benzylique	4-Methoxybenzyl Alcohol	No
15	103-41-3	-	Cinnamate de Benzyle	Benzyle Cinnamate	No
16	4602-84-0	Farnesol	Farnesol	Farnesol	No
17	80-54-6	Lilial	2-(4-tert-butylbenzyl) propionaldehyde	2-(4-tert-butylbenzyl) propionaldehyde	No
18	78-70-6	Linalol	Linalol	Linalool	No
19	120-51-4	Benzoate Benzyl	Benzoate de Benzyl	Benzyl Benzoate	No
20	106-22-9	Citronellol	Citronellol	Citronellol	No
21	101-86-0	Jasmonal H Hexyl Cinnamal	α Hexylcinnamaldehyde	α Hexylcinnamaldehyde	No
22	5989-27-5	Orange terpenes Limonène	(R)-p-mentha-1,8-diène	(R)-p-mentha-1,8-diène	No
23	111-12-6	Oct-2-ynoate de méthyle	Methyl Oct-2-ynoate	No	
24	127-51-5	Methylionone Gamma	3-méthyl-4-(2,6,6-triméthyl-2- cyclohexène-1-yl)-3-butène-2-one	3-méthyl-4-(2,6,6-triméthyl-2- cyclohexène-1-yl)-3-butène-2-one	No
25	90028-68-5	Mousse yougos	Evernia prunastri mextraits	Evernia prunastri	No
26	90028-67-4	-	Evernia furfuracea extrait	Evernia furfuracea	No

Disclaimer:

This material safety data sheet does not constitute a guarantee of the properties of the product and is not a contractual legal report. The information is given in good faith on the basis of our best knowledge of the product at the indicated time. However, we cannot accept responsibility or liability for any consequences arising from its use, no warranty for correctness and completeness is given. We caution the users against the incurred possible risks when the product is used at other ends than the use for which it was initially planned. It is the user's responsibility during handling, storage and product use to consult the main regulatory texts in force regarding workers and environment protection.