

# Certificate of Analysis

> Product data:

**Product name:** French Green Clay Ultra Ventilated

Product reference: CLAYFRENGREE
Batch number: 4524705
Best Before End: November 2026

# ➤ Analysis of the batch :

Aspect CONFORM Beige-green powder Visual check (compared with a sample test). Odour CONFORM None Smell check (compared with a sample test). Humidity 3,32% <8% Test performed with an Halogen Moisture Analyser METILER TOLEDO. pH 8,38 8-9 NF EN ISO 787-9 T31-235 Grain sizes CONFORM 90%<20µm and 100%<40µm (MALVERN) particle size analyzer.  Lead (Pb) CONFORM <10 ppm (MALVERN) particle size analyzer.  Lead (Pb) CONFORM <15 ppm (Malvern) Power being to the notice of the scientific committee of the Ether CONFORM (CONFORM CONFORM CONFORM CONFORM CONFORM CONFORM CONFORM (CONFORM CONFORM CONFORM CONFORM CONFORM CONFORM (CONFORM CONFORM CONFORM CONFORM CONFORM CONFORM (CONFORM CONFORM CONFORM CONFORM CONFORM CONFORM CONFORM (CONFORM CONFORM CONFORM CONFORM CONFORM CONFORM CONFORM CONFORM (CONFORM CONFORM CONFORM CONFORM CONFORM NONE NFEN ISO 21149 NFEN ISO 21149  DMLT CONFORM NONE NFEN ISO 21149 And 22717  Pseudomonas aeruginosa CONFORM NONE NFEN ISO 21148 and 22717  Staphylococcus aureus CONFORM NONE NFEN ISO 21148 and 22717  Candida albicans CONFORM NONE NFEN ISO 21148 and 22718  Candida albicans CONFORM NONE NFEN ISO 21148 and 18416  E. Coli CONFORM NONE NFEN ISO 21148 and 18416  E. Coli CONFORM NONE NFEN ISO 21148 and 18416  E. Coli CONFORM NONE NFEN ISO 21148 and 18416  E. Coli CONFORM NONE NFEN ISO 21148 and 18416  E. Coli CONFORM NONE NFEN ISO 21148 and 18416  E. Coli CONFORM NONE NFEN ISO 21148 and 18416  E. Coli CONFORM NONE NFEN ISO 21148 and 18416  E. Coli CONFORM NONE NFEN ISO 21148 and 18416  E. Coli CONFORM NONE NFEN ISO 21148 and 18416  E. Coli CONFORM NONE NFEN ISO 21148 and 18416  E. Coli CONFORM NONE NFEN ISO 21148 and 18416  E. Coli CONFORM NONE NFEN ISO 21148 and 18416  E. Coli CONFORM NONE NFEN ISO 21148 and 18416  E. Coli CONFORM NONE NFEN ISO 21148 and 18416  E. Coli CONFORM NONE NFEN ISO 21148 and 18416  E. Coli CONFORM NONE NFEN ISO 21148 and 22717  E. CONFORM NONE NFEN ISO 21148 and 22717  E. CONFORM NONE NFEN ISO 21148 and 22718  E. CONFORM NONE NFEN ISO 21148 and 22718  E. CONFORM NONE NFEN IS		Results	Specifications	Method
CONFORM   None   Smell check (compared with a sample test).		Physi	co-chemical analysis	
Humidity  3,32%	Aspect	CONFORM	Beige-green powder	Visual check (compared with a sample test).
Humidity pH 8,38 8 - 9 NF EN ISO 787-9 T31-235 Grain sizes CONFORM 90%<20μm and 100%<40μm Test performed with a Mastersizer 2000 (MALVERN) particle size analyzer.    CONFORM   20 ppm   Mineralization according to EN15510. Internal method spectrometry A.A. IN 020 20 (Perkin Elmer PinAAcle 900T).    Mercury (Hg)   CONFORM   < 0,02 ppm   Guaranteed microbiological quality Ingredient classified in category 2 (according to the notice of the scientific committee of the EU cosmetics products dated 09/23/1998)    DGAT   CONFORM   < 1000 CFU/g - [CAT 2]   NF EN ISO 21149     DMLT   CONFORM   × 100 CFU/g - [CAT 2]   NF EN ISO 12149     DMLT   CONFORM   NONE   NF EN ISO 12148 and 22717     Pseudomonas aeruginosa   CONFORM   NONE   NF EN ISO 21148 and 22717     Staphylococcus aureus   CONFORM   NONE   NF EN ISO 21148 and 22718     Candida albicans   CONFORM   NONE   NF EN ISO 21148 and 18416     E. Coli   CONFORM   NONE   NF EN ISO 21148 and 18416     E. Coli   CONFORM   NONE   NF EN ISO 21148 and 18416     E. Coli   CONFORM   NONE   NF EN ISO 21148 and 18416     E. Coli   CONFORM   NONE   NF EN ISO 21148 and 18416     E. Coli   CONFORM   NONE   NF EN ISO 21148 and 18416     E. Coli   CONFORM   NONE   NF EN ISO 21148 and 18416     E. Coli   CONFORM   NONE   NF EN ISO 21150     Final check : □ Quality     Of the pallets   □ Protection	Odour	CONFORM	None	Smell check (compared with a sample test).
Grain sizes  CONFORM	lumidity	3,32%	< 8%	
Grain sizes   Suaranteed heavy metals   100%<40μm   (MALVERN) particle size analyzer.	Н	8,38	8 - 9	NF EN ISO 787-9 T31-235
Lead (Pb)       CONFORM       < 20 ppm       Mineralization according to EN15510. Internal method spectrometry A.A. IN 020 20 (Perkin Elmer PinAAcle 900T).         Arsenic (As)       CONFORM       < 0,2 ppm       Mineralization according to EN15510. Internal method spectrometry A.A. IN 020 20 (Perkin Elmer PinAAcle 900T).         Cadmium (Cd)       CONFORM       < 0,05 ppm       Cerkin Elmer PinAAcle 900T).         Mercury (Hg)       CONFORM       < 0,05 ppm       Cerkin Elmer PinAAcle 900T).         DGAT       CONFORM       < 1000 CFU/g - [CAT 2]       NF EN ISO 21149         DMLT       CONFORM       < 1000 CFU/g - [CAT 2]       NF EN ISO 21149         Pseudomonas aeruginosa       CONFORM       NONE       NF EN ISO 21148 and 22717         Staphylococcus aureus       CONFORM       NONE       NF EN ISO 21148 and 22718         Candida albicans       CONFORM       NONE       NF EN ISO 21148 and 18416         E. Coli       CONFORM       NONE       NF EN ISO 21150         Final check :       ✓       Quantities         Of the goods       ✓       References         ✓       Quality         Of the pallets       ✓       Protection	Grain sizes		100%<40μm	• •
Arsenic (As)  CONFORM		Guar	anteed heavy metals	
Cadmium (Cd)  CONFORM CONFORM CONFORM CONFORM CONFORM CONFORM CONFORM CONFORM Congredient classified in category 2 (according to the notice of the scientific committee of the EU cosmetics products dated 09/23/1998)  CONFORM CONFOR	.ead (Pb)	CONFORM	< 20 ppm	
Cadmium (Cd)  CONFORM CONFORM CONFORM Couranteed m Crobiological quality Ingredient classified in category 2 (according to the notice of the scientific committee of the EU cosmetics products dated 09/23/1998)  DGAT CONFORM NONE CONFORM	Arsenic (As)	CONFORM	< 15 ppm	9
Mercury (Hg) CONFORM Guaranteed m Crobiological qualitv  Ingredient classified in category 2 (according to the notice of the scientific committee of the EU cosmetics products dated 09/23/1998)  DGAT CONFORM CONFORM CONFORM CONFORM CONFORM CONFORM CONFORM NONE NF EN ISO 21149 NF EN ISO 12149 NF EN ISO 121149 NF EN ISO 21149 NNONE NF EN ISO 21148 and 22717 NF EN ISO 21148 and 22717 NF EN ISO 21148 and 22717 NF EN ISO 21148 and 22718 NNONE NF EN ISO 21148 and 18416 NNONE NF EN ISO 21148 and 18416 NNONE NF EN ISO 21150  Final check:  CONFORM NONE NF EN ISO 21150  Prinal check:  CONFORM NONE NF EN ISO 21150  Prinal check:  CONFORM Prinal c	Cadmium (Cd)	CONFORM	< 0,2 ppm	
DGAT CONFORM < 1000 CFU/g - [CAT 2] NF EN ISO 21149  DMLT CONFORM < 1000 CFU/g - [CAT 2] NF EN ISO 16 212  Pseudomonas aeruginosa CONFORM NONE NF EN ISO 21148 and 22717  Staphylococcus aureus CONFORM NONE NF EN ISO 21148 and 22718  Candida albicans CONFORM NONE NF EN ISO 21148 and 18416  E. Coli CONFORM NONE NF EN ISO 21148 and 18416  Final check :  ✓ Quantities  ✓ Quality  Of the pallets ✓ Protection	Mercury (Hg)	CONFORM	< 0,05 ppm	(I CIMIL Elinei I Haalele 2001).
DGAT  CONFORM  CONFORM  CONFORM  CONFORM  CONFORM  CONFORM  NONE  NF EN ISO 21149  NF EN ISO 16 212  NF EN ISO 21148 and 22717  NF EN ISO 21148 and 22717  NF EN ISO 21148 and 22718  NF EN ISO 21148 and 22718  NF EN ISO 21148 and 18416  CONFORM  NONE  NF EN ISO 21148 and 18416  E. Coli  CONFORM  NONE  NF EN ISO 21150  Prinal check:  Quantities  Quantities  Quality  Of the pallets  Protection				
DMLT  CONFORM  CONFORM  CONFORM  NONE  NF EN ISO 16 212  NF EN ISO 16 212  NF EN ISO 21148 and 22717  NF EN ISO 21148 and 22718  Candida albicans  CONFORM  NONE  NF EN ISO 21148 and 18416  CONFORM  NONE  NF EN ISO 21148 and 18416  CONFORM  NONE  NF EN ISO 21150  Prinal check:  Quantities  Quantities  Quality  Of the pallets  Protection	Ingredient classified in catego			
Pseudomonas aeruginosa CONFORM NONE Staphylococcus aureus Conform Conform None NF EN ISO 21148 and 22717 None NF EN ISO 21148 and 122718 None NF EN ISO 21148 and 18416 NF EN ISO 21148 and 18416 NF EN ISO 21148 and 18416 NF EN ISO 21150  Conform None NF EN ISO 21148 and 18416 NF EN ISO 21148 and 22717 NONE NF EN ISO 21148 and 22718 NONE NF EN ISO 21148 and 18416 NF EN ISO 21148 and 22718 NONE NF EN ISO 21148 and 22717 NF EN ISO 21148 and 22718 NONE NF EN	DGAT	CONFORM		
Staphylococcus aureus CONFORM Candida albicans CONFORM	DMLT	CONFORM	< 100 CFU/g - [CAT 2]	NF EN ISO 16 212
Candida albicans  CONFORM CONFORM NONE  Final check:   Quantities Quality Of the pallets  Protection  NF EN ISO 21148 and 18416 NF EN ISO 21150  NF EN ISO 21148 and 18416  NF EN ISO 2	Pseudomonas aeruginosa	CONFORM	NONE	NF EN ISO 21148 and 22717
E. Coli  CONFORM  NONE  NF EN ISO 21150  Protection  NF EN ISO 21150  Protection	Staphylococcus aureus	CONFORM	NONE	NF EN ISO 21148 and 22718
➤ Final check :  ☐ Quantities ☐ References ☐ Quality ☐ Protection	Candida albicans	CONFORM	NONE	NF EN ISO 21148 and 18416
☐ Quantities  Of the goods - ☐ References  ☐ Quality  Of the pallets ☐ Protection	E. Coli	CONFORM	NONE	NF EN ISO 21150
Of the goods	Final check :	_		
☐ Quality Of the pallets ☐ Protection		[	☑ Quantities	
Of the pallets Protection	Of the goods	-	☑ References	
· 1		[	☑ Quality	
· • • • • • • • • • • • • • • • • • • •	Of the pallets	[	☑ Protection	
	·	[	☑ General Aspect	

The batch doesn't meet specifications. But the product is released with the agreement of the customer.

The Quality Service



# **GLOBAL MANUFACTURING FLOW CHART**

1	• DEPOSIT
2	• MINING PROCESS
3	TRANSPORTING RAW MATERIAL
4	SORTING OUT & STOCKING RAW MATERIAL
6	CRUSHING PROCESS
	DRYING PROCESS
8	SORTING OUT GRAINS VIA AIR INDUCTION SYSTEM
9	• STORING IN SILOS
10	• FILLING UP BIG BAGS OR PAPER BAGS
11	STORING THE CLAY
12	DISPATCHING THE CLAY
13	DELIVERING CUSTOMERS



# **DETAILING OUR MANUFACTURING PROCESS**

1	Our clay deposit is located next to our production site.
2	The company <b>Argile du Velay</b> mechanically extracts the clay.
3	Dumper trucks are loaded on the deposit and the product is delivered on the production site.
4	Once delivered, the clay is sorted out.
6	The clay undergoes a crushing process that intends not to brake the grain.
	The clay is dried in a rotary oven.
8	Grains are sorted out according to their size thanks to an air induction system.
9	The clay is first stored in silos.
10	Depending on our customers' needs and demands, the clay is stocked in paper bags or big bags.
11	The clay is stored in an closed environment.
12	The clay is dispatched in the warehouse.
13	The clay is delivered to the customer on time.







# TECHNICAL DATA SHEET

# COSMETIC INGREDIENT

In compliance with Regulation (EC) n°1223/2009



**COSMOS**APPROVED



# **INGREDIENT INFORMATIONS**

Trade name: French Green clay

**Reference:** CosGREEN<sup>TM</sup>

**Composition:** 10% natural mineral product

Origin of the ingredient: France

Manufacturer: Argile du Velay, ZA de Nolhac

43350 Saint-Paulien

**HSCode:** 2508400000

# Description of the manufacturing process:

The Velay green clay is mechanically refined, without any chemical process. Bacteria are eliminated by a sophisticated dehydration process. Powder grains are then sorted thanks to an innovative process of selection by induction.

INCI\*:
N° CAS:

Illite 75% <u>+</u> 10 12173-60-3

N° CAS:

Kaolin 19% ± 5 1332-58-7 INCI\*:

Montmorillonite 6% + 3

N° CAS: 1318-93-0

This clay is guaranteed without quartz.

### **INGREDIENT SPECIFICATIONS**

# PHYSICO-CHEMICAL ANALYSIS

Aspect	Beige green powder
Odor	None
Humidity	< 8%
(Humidimeter METTLER TOLEDO)	
рН	Between 8 and 9
(Method: NF EN ISO 787-9 & T31-235)	
Grain size	I5: 80% < 5μm 100% < 10μm
(Granulometer Mastersizer 2000 Malvern)	Ultra-ventilated: 90% < 20µm 100% < 40µm
	Surfine: $90\% < 77 \mu m 100\% < 100 \mu m$
	I750: 90% < 750μm 100% < 1100μm
Oil absorption	Average of 58% ± 10 depending on grain size
Water absorption	Average of 80% ± 10 depending on grain size

<sup>\*</sup> The INCl composition above includes a portion of non-clay minerals.

### MICROBIOLOGICAL ANALYSIS

Ingredient available in category 1 or 2 (According to the ISO 17 516).	Specifications Category 1	Specifications Category 2
Total aerobic mesophilic microorganisms (Aerobic mesophilic bacteria DGAT (NF EN ISO 21149) and Yeasts and molds DMLT (NF EN ISO 16212))	< 100 CFU/g <sup>a</sup>	< 1 000 CFU/g <sup>b</sup>
Pseudomonas Aeruginosa (NF EN ISO 21148 and 22717)	NONE	NONE
Staphylococcus Aureus (NF EN ISO 21148 and 22718)	NONE	NONE
Candida Albican(NF EN ISO 21148 and 18416)	NONE	NONE
Escherichia Coli (NF EN ISO 21148 and 21150)	NONE	NONE

Due to the inherent variability of the enumeration method and according to the USP chap 61 or EP chap 2.6.12, results are out of specs if:  $^a > 200 \text{ CFU/g}$   $^b > 2 \text{ 000 CFU/g}$ 

Quotes are by default in category 2. Category 1 (100% natural heat treatment) is available on request and will be clearly identified on the quote.

## **REGULATORY INFORMATION**

Natural cosmetic ingredient in accordance with the ISO 16128-1 / 2016 standards: "Natural ingredient derived from an inorganic substance, naturally occurring in nature, having its own chemical formula and a coherent set of physical properties."

## EUROPEAN COSMETIC REGULATION 1223/2009 OF NOVEMBER 30th, 2009

The CosGREEN™ is not included in the list of banned substances, ref: Annex II Regulation 1223/2009 – Cosmetics products - of the European Parliament and Council, November 30th, 2009. This product can be used in the manufacturing of cosmetics products.

# COSMOS/ECOCERT

The CosGREEN $^{\text{TM}}$  is COSMOS and ECOCERT certified as a cosmetic ingredient authorized in the manufacturing of natural and organic cosmetics. www.cosmos-standard-rm.org/.



### **IRRADIATION**

The CosGREEN™ does not undergo any irradiation treatment during its manufacturing process.

### REACH

This reference is exempted-Annex V, Chapter 7 of the European Regulation 1907/2006 (REACH) - (substance present in nature / substance not chemically modified). No chemical substance, PBT substance (bio accumulative and toxic substances) or any vPvB substances (very persistent and very bio accumulative substance of concern) are in contact with the product during the manufacturing process.

# **CMR**

CosGREEN<sup>TM</sup> is not classified as CMR (carcinogenic, mutagenic and reprotoxic substances) and no CMR substances are in contact or added during the manufacturing process.

### **SOLVENT**

The CosGREEN™ is from natural origin. No chemical and no solvent are in contact or added during the manufacturing process. It therefore doesn't contain solvent residues.

### **ALLERGENS**

The CosGREEN™ naturally doesn't contain allergens, and no substances are in contact or added during the manufacturing process. It does not contain any allergenic substances listed in Annex III of Regulation 1223/2009 - Cosmetics products - of the European Parliament and of Council of November 30th, 2009.

### **GMO**

The CosGREEN<sup>TM</sup> is a natural mineral and doesn't contain substances of plant origin. No GMO substances are in contact or added during the manufacturing process.

### ESB/TSE

The CosGREEN™ is a natural mineral and doesn't contain animal or human substances, it is not in contact with this type of substances during the manufacturing process. It can not therefore cause transmissible spongiform encephalopathy (ESB / TSE).

### **SVHC**

The CosGREEN™ is a 100% natural mineral. No preoccupating or really preoccupating substances (SVHC) and no preoccupating or really preoccupating chemicals substances defined by the European chemicals agency are used during the manufacturing process.

### ANIMAL TESTING

No animal testing has been carried out since 2009, in accordance with Regulation 1223/2009 of the European Parliament and Council of November 30<sup>th</sup>, 2009 on cosmetic products.

# VEGETARIAN / VEGAN

No ingredients from animal origin are in contact or added in the manufacturing process.

### HALAL

General guidelines of the FAO (Food and Agriculture Organization of the United Nations) for the use of "Halal" N  $^{\circ}$  CAC / GL 24-1997 are excluding following products:

- \* Product of animal origin
- \* Product of vegetable origin
- \* Alcoholic and / or intoxicating and dangerous drinks
- \* Food additives obtained from what is listed in points 1., 2. and 3.

The CosGREEN™ naturally does not contain any prohibited substances listed above. No substances are in contact or added during the manufacturing process, so this reference may be eligible to the Halal certification.

### CASHER

The CosGREEN™ is a 100% natural mineral. No additives have been added during the manufacturing process, this mineral can be eligible to get the Casher certification.

### **NANOMATERIALS**

Regulation 1223/2009 of the European Parliament and of Council November 30<sup>th</sup>, 2009 on cosmetic products defines 'nanomaterials' as: 'insoluble, bio-persistent and intentionally produced with one or more external dimensions at the level of 1 to 100nm'. The CosGREEN™ is not intentionally produced at the nanoparticle scale and therefore complies with Regulation 1223/2009 of the European Parliament and of Council November 30<sup>th</sup>, 2009 on cosmetic products. And so, CosGREEN™ does not need to be annually declared to the ANSES (decree 2012-232 of 17<sup>th</sup>, 2012).

### CALIFORNIA PROPOSITION 65

Not listed.

### NATURALITY INDEX

"A natural ingredient is made from organic substances naturally in Earth having its own chemicals formula and its own physical properties". According to the ISO 16128, clays' characteristics are as following:

- \* Natural index = 1
- \* Natural origin index = 1
- \* Biological index = 0
- \* Biological origin index = 0

# DIOXIN AND PCB

Results are near zero.

## **HEAVY METALS**

The CosGREEN™ is a mineral naturally present in nature, therefore it can contain traces of heavy metals (ppm), tolerated by the European regulation because technically unavoidable. Internal method, sample's mineralization with nitric acid at 5% (EN 15510), measurement carried out by using ICP-OES spectrometry (9820 SHIMAZU).

Antimony Sb < 0.5 ppm		Cadmium Cd < 0.5 ppm	Cobalt Co < 7 ppm	
Tin Sn	Mercury Hg		Lead Pb	
< 0.5 ppm	< 0.05 ppm		< 20 ppm	



In compliance with regulation (EU) 2020/878 of 18 June 2020 amending Annex II of the Regulation (EU) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

## 1. IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY:

### 1.1 PRODUCT

Trade name: French Green Clay

**Product code:** CosGREEN<sup>TM</sup>

**Chemical name:** Clay mainly composed of illite, kaolin & montmorillonite

INCI: *Illite Kaolin Montmorillonite*CAS#: 12173-60-3 1332-58-7 1318-93-0

### 1.2 SUPPLIER

Madar Corporation Limited

19 - 20 Sandleheath Industrial Estate + 44 (0) 1425 655 555

Fordingbridge technical@madarcorporation.co.uk

SP6 1PA

## 1.3 RELEVANT AND UNRECOMMENDED USAGES

**Usages \*:** Cosmetics, pharmaceutics and clay therapy.

Relevant usages: Industrial, professional & personal.

Unrecommended usages: None.

\*This list isn't exhaustive



**SDS#**: 001

## 1.4 EMERGENCY TELEPHONE NUMBER

European emergency number: 112

**ORFILA number**: + 44 (90)1425 655

555

## 2. HAZARDS IDENTIFICATION

### 2.1 CLASSIFICATION OF THE SUBSTANCE AND LABEL ELEMENTS

Product name	Classification in compliance with the directive 67/548/CEE	Classification in compliance with the Regulation (CE) n°1272/2018 (CPL)	Additional data
Velay Green Clay	Unclassified	Unclassified	No

# 2.2 MAIN SYMPTOMS

An excessive production of dust may cause slight irritation of the eyes and respiratory tract. No delayed effect has been recorded.

## 3. COMPONENTS DESCRIPTION

**Note:** The substance described below is neither a mixture nor a multi-constituent substance (result of a manufacturing process). It is composed of natural clay.

Product name REACH registration #*		Mass percentage	
Velay Green Clay	Exempt	100%	

<sup>\*</sup>REACH registration#: the substance is exempted in a compliance with appendix V, chapter 7 of Regulation (EU) ° 1907/2006 (REACH) – (the substance that can be found in nature / chemically non-modified substance).



In compliance with regulation (EU) 2020/878 of 18 June 2020 amending Annex II of the Regulation (EU) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

### 4. FIRST AID MEASURES

General information: Have product container, label elements and Safety Data Sheet at hand if medical advice is needed.

**After inhalation:** The person should be taken outside into the open air, away from dust. Get medical attention if symptoms occur. **After skin contact:** If symptoms occur, rinse cautiously with water for several minutes. Get medical attention if symptoms persist.

**After eye contact**: Rinse cautiously with water for several minutes. Get medical attention if symptoms persist. **After ingestion**: Get medical attention if symptoms persist. Do not induce vomitting without medical attention.

### 5. FIREFIGHTING MEASURES



The product is non-inflammable and non-explosive. No specific firefighting measures is required. No unsuitable extinguishing materials. Not a dangerous substance.

## 6. SPILL MEASURES

Hoover the spilled product (to avoid raising dust).

Avoid moistening the product (wet clay can be slippery).

Deal with the recovered product as indicated in section 12.

Keep in sealed containers.

Individual measures: in case of dust formation, wear an anti-dust mask type FFP3.

Environnemental measures: environmental information section 10.

# 7.1 HANDLING AND STORAGE



Reduce as much as possible dust formation and use adequate ventilation system. If the ventilation system of the premises is not sufficient, wear a respiratory gear type FFP3. Avoid eye contact. The product can be slippery when wet. The product is non-inflammable. Minimize environmental release, using filters for ventilation systems for example.



**SDS#**: 001

**Advice on general occupational hygiene:** Wash your hands after every use. Remove soiled clothes and protective equipment before getting into a catering area.

# 7.2 STORAGE

Keep the product in its closed container in a dry and well-ventilated place. Keep the container closed to avoid dust formation.

### 7.3 SPECIFIC FINAL USE

If you need more details for uses mentioned in section 1.3, contact your supplier.

If you need advice for specifics uses of the product, contact your supplier.

### 8. EXPOSURE CONTROL

## **8.1 CONTROL PARAMETERS**

 $\label{eq:considered} \textbf{Velay Green Clay, CosGREEN}^{\text{TM}} \ \textbf{is considered as dust with no specific effect.}$ 

Components	Exposur	e Limits	Type of value	Source	Biological limit values	Exposure limits in air	DNEL/PNEC Values
Velay Green Clay	10 mg/m3 (inhalable fraction)	5 mg/m3 (alveolar fraction)	VME – 8h	French ministry of Labour – Circular issued by the French Ministry of Labour on May 9 <sup>th</sup> 1985.	N/A	N/A	N/A (Section 2)

For occupational limit values applicable in other countries, please refer to local Regulations.

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### Recommended follow-up procedures

In order to monitor individual and environmental exposures, the recommended methods are described below:

- A decree issued on December 15<sup>th</sup> 2009 related to technical controls of occupational limit values at work and to certification standards of control agencies.
- Circular DGT N°2010-03 issued on April 13<sup>th</sup> 2010 related to chemical risk control measures at work

These standards are applied in France. If you are located in another European country or outside the EU, refer to the competent authorities.

# **8.2 APPROPRIATE TECHNICAL CONTROLS**

Avoid producing dust airbone.

Opt for collective protective equipment in order to avoid creating dust: use closed processes, a well-adapted exhaust ventilation or any other process that can keep airbone concentrations below the specified exposure limits. Organizational measures can be taken such as isolating staff from dust areas for examples.

### **8.3 INDIVIDUAL PROTECTION MEASURES**



**SDS#**: 001

Wearing of gloves is advisable.



Wear a FFP3 protection in case of dust



Wear glasses in case of dust.

## 9. PHYSICO-CHEMICAL PROPERTIES

Features	Data	Methods
Physical state	Solid	
Appearance	Powder	
Colour	Beige / green	
Odour	None	
Odour threshold	N/A	
рН	8 - 9	Measure carried out in compliance with method: NF EN ISO 787-9 T31-235 and pH-measure.
Melting point	N/A	
Freezing point	N/A	
Initial boiling point	N/A	
Flash point	N/A	
Evaporation rate	N/A	
Inflammability	N/A	
Upper/ lower or explosive limits	N/A	
Vapour pressure	N/A	
Vapour density	N/A	
Relative density	From 0.4 to 0.95 according to grain size	Measure carried out in compliance with the bulk density method: NF T 73-405 (March 1982) or a method from the international norm OCDE 109 (bulk density)
Particle characteristics	Size from 0 to 750μm	Measure carried out with a granulometer Mastersizer 2000 (MALVERN)
Solubility in water	Insoluble	
Partition coefficient n-octanol/water	N/A	
Auto-ignition temperature	N/A	
Decomposition temperature	N/A	
Viscosity	N/A	
Explosive properties	N/A	
Oxidising properties	Non-oxidising	



In compliance with regulation (EU) 2020/878 of 18 June 2020 amending Annex II of the Regulation (EU) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

# 10. REACTIVITY AND STABILITY

Features	Data
Reactivity	Product stable and inert
Chemical stability	Product stable
Dangerous reactions	N/A
Avoiding conditions	N/A
Incompatible	N/A
Products with dangerous decomposition	N/A

# 11. TOXICOLOGICAL INFORMATION:

**SDS#**: 001

These tests were carried out before the restriction date on animal testing (03/11/2009) Regulation (CE) N°1223/2009).

TESTS	OCDE N°	Results	Species	Duration of the study	Classification		
Acute oral toxicity study	423	DL <sub>50</sub> =5000mg/kg	Rat	3 hours	Category 5 or		
					unclassified => non		
					toxic		
Acute dermal toxicity	402	DL50>2000mg/kg	Rat	14 days of study.	Category 5 => non toxic		
Acute inhalation toxicity	403	DL <sub>50</sub> 2000 and 5000 mg/kg and	Rat	Exposure: 4 hours during	Category 5 or		
study		CL <sub>50</sub> =3,856mg/L		14 days of study.	unclassified =>non		
					toxic		
Acute dermal irritation	404	Not irritating	Rabbit	72 hours after releasing	Unclassified => Non		
study				the substance	irritating		
Acute eye irritation study	405	Non irritating	Rabbit	72 hours after instillation	Unclassified => Non		
					irritating		
Skin sensitisation sudy	406	Negative	Guinea pig	48 hours after releasing	Negative		
				the substance			
In vitro mammalian	473	Negative	In vitro test	21 hours of exposure	Negative		
chromosome aberration							
test							
Reverse mutation bacterial	471	-	Salmonella	48 Hours	Negative		
test			typhimurium				
			trains				
Reproduction toxicity		Is not classified as haz	ardous. (No specifi	ic data). Natural product.			
Gem cell mutagenicity	Is not classified as hazardous. (No specific data). Natural product.						
Specific target organ	Is not classified as hazardous. (No specific data). Natural product.						
toxicity-single exposure							
Specific target organ	Is not classified as hazardous. (No specific data). Natural product.						
toxicity- repeated							
exposure							
Aspiration toxicity hazard		Is not classified as haz	ardous. (No specifi	ic data). Natural product.			



In compliance with regulation (EU) 2020/878 of 18 June 2020 amending Annex II of the Regulation (EU) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

# 12. ECOLOGICAL INFORMATION

**12.1 TOXICITY** 

These tests were carried out before the restriction date on animal testing (03/11/2009) Regulation (CE) N°1223/2009).

TESTS	OCDE	Results	Species	Medium	Testing time	Classification
	N°					
Acute aquatic toxicity		NOEC > 100mg/L	Brachidanio rerio	Aquatic	96 Hours	Safe for the
test	203	,CL <sub>50</sub> > 100mg/L		environment		environment.
Algal growth inhibition	201	NOEC>100mg/L	Desmodesmus	Aquatic	72 Hours	Safe for the
test			subspicatus	environment		environment.
Acute immobilisation test	202	CE <sub>50</sub> >100 mg/L	Daphnia magna	Aquatic	48 Hours	Safe for the
				environment		environment.
Oral acute toxicity test	213	CL <sub>50</sub> > 100μg/	Apis mellifera mellifera	-	48 Hours	Safe for the
(side effects)		subject	L. (Hymenoptera : apidae)			environment.
Dermal acute toxicity test	214	CL <sub>50</sub> >	Apis mellifera mellifera	-	48 Hours	Safe for the
(side effects)		100μg/subject	L. (Hymenoptera : apidae)			environment.

### 12.2 PERSISTANCE AND DEGRADATION

Stable and non-biodegradable product (inorganic product).

### 12.3 BIOACCUMULATIVE PERSISTANCE

Non applicable (inorganic product).

## **12.4 MOBILITY IN SOIL**

No specific data

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# 12.5 RESULTS OF PBT AND vPvB

Do not meet the criteria for classification as PBT and/or vPvB found in the list of Appendix XIII of Regulation N°1907/2006 (inorganic product).

# **12.6 ENDOCRINE DISRUPTING PROPERTIES**

None has been reported.

### **12.7 OTHER ADVERSE EFFECTS**

None has been reported.

### 13. WASTE TREATMENT METHOD

<u>Substance treatment</u>: Waste must be discharged in compliance with local, national regulations and with applicable European standards and guidelines. Waste can be landfilled in compliance with local regulations. Do not dispose of waste into the drains.

<u>Container treatment:</u> Empty the container. Remove and sort out the product.

## 14. TRANSPORT INFORMATION

UN#	UN proper shipping name	Transport hazard group	Packing group	Environmental hazards	Special precautions for user	Transport in bulk according to appendix II of MARPOL 73/78 and the IBC code
Not listed	No data	Not classified	Not concerned	N/A	See section 7.1	Not concerned

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## 15. REGULATORY INFORMATION

### **15.1 EU REGULATION**

The substance is exempt in compliance with appendix V, chapter 7, of the Regulation (CE) n° 1907/2006 (REACH) – (substance that can be found in nature / chemically non-modified substance). The substance is not labeled in compliance with Regulation (CE) N° 1272/2008 and EU.

### **15.2 NATIONAL DIRECTIVES - FRANCE**

No additional information.

### **15.3 CHEMICAL SECURITY ASSESSMENT**

Not applicable: natural mineral origin.

### **OTHER INFORMATION**

### **16.1 VERSION**

Reason for updating the earlier version: update in accordance with the new version of regulation (EU) n° 2020/878 of 18/06/20 amending appendix II of regulation (EC) n° 1907/2006, addition of "particles characteristics" in point 9. Physico-chemical properties, addition of point 12.6 Endocrine disrupting properties.

### **16.2 MEANINGS OF ABBREVIATIONS AND ACRONYMS**

CAS	Chemical Abstrate Service				
CE	Substances sold in the European market				
INCI	Internationnal Nomenclature of Cosmetic Ingredients				
REACH	Registration, Evaluation, Autorisation and restriction of CHemicals				
DNEL	Derived No-effect Level				
CE50	Effective concentration 50 %				
CL50	Lethal concentration 50 %				
DL50	Lethal dose 50 %				
NOEC	No-Observed Effect Concentration  Persistent Bioaccumulative Toxic				
PBT					
PNEC	Predicted No-Effet Concentration				
SDS	Safety data sheet				
vPvB	Very Persistent Substance Very Bioaccumulative				

# **16.3 BIBLIOGRAPHIC REFERENCES**

### http://echa.europa.eu/

**SDS#**: 001

## Manufacturer disclaimer

The information given within this SDS is correct to the best of our knowledge, information and belief at the date of its revision and publication. However, the manufacturer makes no representation, warranty or guarantee as to its accuracy, reliability or completeness, nor assumes any liability. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For these and other reasons, we assume no responsibility for any loss, damage or expense caused by or in any way with the handling, storage, use or disposal. This SDS was written for this product only and should be used only for this product. If the product is used as a component of another product, the information may not be applicable.

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# **DECLARATION**

# To meet specifications of the cosmetic regulation

We, Certify that all our French clays are:

- C.M.R free,
- Gluten free,
- don't contain allergens with reference to Cosmetic regulation
- Bisphenol free,
- Lactose free,
- Ethanol and Methanol free,
- Palm oil free,
- Latex free,
- Phthalate free,
- Waste solvents free,
- Phenoxyethanol free,
- BSE (bovine spongiform encephalopathy) free
- TSE (Transmissible Spongiform Encephalopathies) free
- GMO free,
- Not tested on the animals,
- **Don't contain nano-materials,** <u>according to the regulations: 1223/2009 and the French decree</u> 2012-232
- Didn't undergo any irradiation or chemical treatment.
- Crystalline Silica Free,

9-6-23



# **Vegetarian & Vegan Suitability Statement**

PRODUCT NAME: French Green Clay

MADAR Corporation Limited can confirm that the above listed product has not been tested in animals and does not contain dairy or any other animal product, by product or derivative and is therefore suitable for vegetarian and vegan use.

09/06/2023