

SAFETY DATA SHEET

(EU) n° 2020/878 of 18th June 2020 update of the annex II (EU) n° 1907/2006 of the European parliament and of the Council regarding the registration, the evaluation and the authorization of chemicals substances and restrictions in force (REACH)

HEADING 1 - IDENTIFICATION OF THE INGREDIENT / COMPANY

1-1 PRODUCT IDENTIFICATION

Trade name: Velay Green Clay

ARGILE VERTE COSGREEN



Chemical name: composed of illite, kaolin and montmorillonite clays.

INCI :	<i>Illite</i>	<i>Kaolin</i>	<i>Montmorillonite</i>
CAS:	12173-60-3	1332-58-7	1318-93-0

1-2 RELEVANT USAGES OF THE SUBSTANCE OR THE MIXTURE AND PROHIBITED USAGES

Ingredient usages*: cosmetic, pharmaceutic, clay therapy, thermals, dietary supplement, horse well-being, additive for animal feed, technological additive, structure complement, mechanical barrier for cultivations, production usable in organic agriculture, drying litter, industrial additive.

Relevant usages: industrial, professional, and personal usages.

Prohibited usage: none.

**This list is not exhaustive*

1-3 SUPPLIER DATA

Argile du Velay - ARVEL
ZA de NOLHAC
43350 SAINT-PAULIEN - FRANCE



www.argileduverlay.com



+ 33 (0)4 71 02 41 37



administratif@argileduverlay.com

1-4 EMERGENCY NUMBERS

European emergency number: 112

ORFILA number: + 33 (0)1 45 42 59 59

HEADING 2 - HAZARD IDENTIFICATION

2-1 CLASSIFICATION OF THE SUBSTANCE OR THE MIXTURE

Product name	Classification in accordance with the 67/548/EEC directive	Classification in accordance with the (EC) n°1272/2008 (CPL) regulation
Velay green clay	Not classified	Not classified

2-2 LABELLING

Not concerned.

2-3 OTHER HAZARD

Other unclassified hazards

Avoid the formation or the diffusion of dust into the atmosphere. The quantity can be highest depending on the granulometry.

SAFETY DATA SHEET

(EU) n° 2020/878 of 18th June 2020 update of the annex II (EU) n° 1907/2006 of the European parliament and of the Council regarding the registration, the evaluation and the authorization of chemicals substances and restrictions in force (REACH)

PBT and vPvB

This substance does not contain persistent, bioaccumulative and toxic (PBT) or very persistent, bioaccumulative and toxic (vPvB) ingredients at 0,1% or more.

Endocrine-Disrupting Properties-Toxicity

This substance does not contain components consider as endocrine-disrupting in accordance with REACH, article 57(f), the (EU) 2017/2100 of the commission delegated regulation or the commission regulation (EU) 2018/605 at levels of 0,1 % or more.

Endocrine Disrupting Properties - Ecotoxicity

This substance does not contain components with endocrine disrupting properties according to the REACH article 57(f), the (EU) 2017/2100 of the commission delegated regulation or the commission regulation (EU) 2018/605 at levels of 0,1 % or more.

This product is not hazardous classified. In accordance with regulations in force, the product does not present any risk for the health or for the environment.

HEADING 3 - COMPOSITION / COMPONENT DATA

Notice: the below substance is neither a mixture nor a substance multi-component. The composition is 100% natural.

Product name	REACH registration number *	Percentage in mass
Velay green clay	Exempted	100%

***REACH registration number:** the substance is REACH exempted in accordance with the annex V, chapter 7, of the (EU) regulation, (EC) n° 1907/2006 (REACH) - (substance existing in nature / non chemically modified).

HEADING 4 - FIRST AIDS

4-1 FIRST AID INFORMATION

First advice: Have a look to the packaging, the label or the SDS if you need some help.

If inhaled: In case of extreme exposition, go outside away from dust. If symptoms appear ask for medical advice.

Contact with eyes: If symptoms appear, rinse off with clear water. If symptoms persist, ask for medical advice.

Ingestion: If discomfort appears ask for medical advice. Do not induce vomiting without medical advice.

Rescue self-protection: None.

4-2 MAIN SYMPTOMS / ACUTE AND DELAYED EFFECTS

An excessive production of dust can lead to mild irritation (mechanic) of eyes and respiratory depending on individuals. No delayed effects have been reported.

4-3 INDICATION OF IMMEDIATE MEDICAL CARE AND SPECIAL TREATMENT REQUIRED

None, see 4.1.

SAFETY DATA SHEET

(EU) n° 2020/878 of 18th June 2020 update of the annex II (EU) n° 1907/2006 of the European parliament and of the Council regarding the registration, the evaluation and the authorization of chemicals substances and restrictions in force (REACH)

HEADING 5 - FIRE-FIGHTING MEASURES

5-1 EXTINGUISHING MEANS

The product is neither flammable nor explosive.

No special fire-fighting measures are required. No appropriate extinguishing means.

5-2 SPECIFIC HAZARDS RESULTING FROM THE SUBSTANCE OR MIXTURE

No hazards are resulting from the substance.

5-3 ADVISE FOR FIREMAN

None.

HEADING 6 - MEASURES TO BE TAKEN IN THE EVENT OF ACCIDENTAL DISPERSAL

6-1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

For non-first aiders and first aiders (in case of large or minor spill)

Avoid dust formation. Avoid inhaling dust. In case of dust wear an FFP3 anti-dust mask.

6-2 PROTECTION OF THE ENVIRONMENT

Precautions to protect the environment: part 12.

6-3 METHODS AND CLEANING/ CONTAINMENT MATERIALS METHODS

Vacuum (to avoid dust lifting) the spilled product. Avoid wetting the product (wet clay becomes slippery). Treat the recovered substance as outlined in Part 13. Store in well closed containers.

6-4 REFERENCES TO OTHER HEADINGS Q

For more information about exposure monitoring and evacuation, see paragraphs 8 and 13.

HEADING 7 - HANDLING AND STORAGE

7-1 PRECAUTIONS TO BE TAKEN FOR SAFE HANDLING

Reduce at the maximum dust production and use the adapted ventilation. Once the warehouse ventilation is not enough, wear a respiratory equipment FFP3 type. Avoid contact with eyes. The material can be slippery once wet. The product is not flammable, no special equipment against fire is required. To reduce the environment dejections, you can for example use ventilation's filters by aspiration.

Do not eat, drink and smock in the working area. Clean hands after using. Take off dirty clothes and protective equipment before entering in an eating area.

7-2 CONDITIONS FOR SAFE STORAGE, INCLUDING POSSIBLE INCOMPATIBILITIES

Keep the product in its packaging, well closed in a well-ventilated and dry place far away from dry. To avoid dust, keep the product closed.

SAFETY DATA SHEET

(EU) n° 2020/878 of 18th June 2020 update of the annex II (EU) n° 1907/2006 of the European parliament and of the Council regarding the registration, the evaluation and the authorization of chemicals substances and restrictions in force (REACH)

7-3 SPECIFIC END-USES

None.

HEADING 8 - EXPOSITION CONTROL/ INDIVIDUAL PROTECTION

8-1 PARAMETERS OF CONTROLS

Components	Exposition limit(s)		Type of value	Source
CLAY	4 mg/m ³ (Inhalable fraction)	0.9 mg/m ³ (alveolar fraction)	VME – 8hours	Decree N°2021-1763 of 23rd December, 2021

For ambient and individuals' exposures controls, these following methods are recommended:

- Decree of 15th December 2009 on roadworthiness tests of occupational exposure limit values at work and on the conditions for accreditation of bodies responsible for inspections.

- CIRCULAR DGT 2010/03 of 13th April 2010 on the control of chemical risks in the workplace.

These methods are applicable in France. If you are in another country of the European Union or outside of the European Union, please contact the competent authority.

8-2 EXPOSURE CONTROL

8-2-1 RELEVANT TECHNICALS CONTROLS

Reduce at maximum the rate of dust in the atmosphere.

To avoid the dust production, wear a collective protection.

Use closed processes, a relevant ventilation by aspiration or all other process allowing to keep dust suspending below specified exposition's limits.

Organizational measures can be taken, such as isolating dusty areas.

8-2-2 INDIVIDUAL PROTECTIVE MEASURES, INDIVIDUAL EQUIPMENTS

Eyes and face protections: In case of dust production, wear safety glasses.

Skin protection: Wear gloves.

Respiratory protection: In case of dust, wear a respiratory mask FFP3 type.

Thermal Hazards: Not applicable.

8-2-3 ENVIRONMENTAL PROTECTION MEASURES

In case of an accidental spill, see section 6.

During normal use, follow these instructions: Dispose of rinse product or water in accordance with local and national regulations.

SAFETY DATA SHEET

(EU) n° 2020/878 of 18th June 2020 update of the annex II (EU) n° 1907/2006 of the European parliament and of the Council regarding the registration, the evaluation and the authorization of chemicals substances and restrictions in force (REACH)

HEADING 9 - PHYSICAL AND CHEMICAL PROPERTIES

9-1 PHYSICAL AND CHEMICAL PROPERTIES- MAIN DATA

Characteristics	Data	Methods
Physical state	Solid	
Appearance	Powder	
Color	Beige-green	
Odor	None	
Odor threshold	NC	
pH	8 - 9	NF EN ISO 787-9 T31-235 and pH-measurement.
Melting point	NC	
Freezing point	NC	
Initial boiling point	NC	
Flash Point	NC	
Evaporation rate	NC	
Inflammability	NC	
Upper/lower flammability limits or upper/lower explosive limits	NC	
Steam pressure	NC	
Steam density	NC	
Relative density	0.4-0.95 depends on the granulometry.	Measurement conducted by using the bulk density method: based on the international standard OECD 109 (density).
Particles characteristics	0 - 6000 µm	Mastersizer 3000 (MALVERN) granulometer.
Water solubility	Insoluble	
N-octanol/water partition coefficient	NC	
Auto-ignition temperature	NC	
Decomposition Temperature	No available data	
Viscosity	NC	

9-2 OTHER DATA

Characteristics	Data	Methods
Explosive properties	Not explosive	
Oxidizing properties	Not explosive	
Minimal ignition temperature	No measurement	
Corrosion of metals	No measurement	
Evaporation rate	No measurement	

HEADING 10 - STABILITY AND REACTIVITY

Under chapter	Characteristics	Data
10-1	Reactivity	Stable and inert
10-2	Chemical stability	Stable
10-3	Possible dangerous reactions	None known
10-4	Avoiding conditions	None known
10-5	Incompatible materials	None known
10-6	Dangerous products of decomposition	None known

SAFETY DATA SHEET

(EU) n° 2020/878 of 18th June 2020 update of the annex II (EU) n° 1907/2006 of the European parliament and of the Council regarding the registration, the evaluation and the authorization of chemicals substances and restrictions in force (REACH)

HEADING 11 - TOXICOLOGICAL DATA

11-1 INFORMATION ON HAZARD CLASSES AS DEFINED IN REGULATION (EC) NO 1272/2008

Ways of exposition

Inhalation: No way of exposition in case of conform handling. Data of corresponding effects, see below.

Skin contact: Relevant way of exposition. Data on corresponding effects, see below.

Eyes contact: Relevant way of exposition. Data on corresponding effects, see below.

Ingestion: In case of conform handling, no relevant way of exposition. Data on corresponding effects, see below.

Acute toxicity (identify all possible ways of exposure)

Ingestion: according with available data, not classified as acute toxicity.

Skin contact: according with available data, not classified as acute toxicity.

Inhalation: according with available data, not classified as acute toxicity.

Toxicity at repeated dosages: No available data.

Corrosion or skin irritation: No available data.

Severe eye injury or irritation: No available data.

Respiratory or skin sensitization: No available data.

Carcinogenicity: No available data.

Germ Cell Mutagenicity

In vitro: No available data.

In vivo: No available data.

Reproduction toxicity: No available data.

Specific toxicity at the target organ level – Unique exposure: No available data.

Specific toxicity at the target organ level- repeated exposure: No available data.

Risk of aspiration: Not classified.

11-2 DATA ON OTHER HAZARDS

Endocrine-disrupting properties: The substance does not contain components considered to have endocrine disrupting properties according to Article 57(f) of REACH or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0,1 % or more.

Other hazards: No adverse health effects have been reported from the product when handled properly.

SAFETY DATA SHEET

(EU) n° 2020/878 of 18th June 2020 update of the annex II (EU) n° 1907/2006 of the European parliament and of the Council regarding the registration, the evaluation and the authorization of chemicals substances and restrictions in force (REACH)

HEADING 12 - ECOLOGICAL DATA

12-1 TOXICITY

These tests have been carried out before the restrictive date for tests on animals 03/11/2009 ((EC) regulation N° 1223/2009).

TESTS	OECD N°	Results	Species	Study duration	Classification
Acute oral toxicity	423	DL ₅₀ =5000mg/kg	Rat	3 hours	Category 5 or not classified classifiable => nontoxic
Acute dermal toxicity	402	DL ₅₀ >2000mg/kg	Rat	14 days of observation	Category 5 => nontoxic
Inhalation toxicity	403	DL ₅₀ between 2000 and 5000 mg/kg and CL ₅₀ ≈3,856mg/L	Rat	Exposure: 4 hours during 14 days of observation.	Category 5 or not classified =>nontoxic
Skin irritation test	404	Non-irritating	Rabbit	72 hours after withdrawal of the substance	Not classified => non-irritating
Eye irritation test	405	non-irritating	Rabbit	72 hours after instillation	Not classified => non-irritating
Skin sensitivity test	406	Negative	Guinea pig	48 hours after withdrawal the substance	Negative
Chromosomal aberration test	473	Does not cause chromosomal aberrations.	In vitro tests	21 hours of exposure	Does not cause chromosomal aberrations.
Bacterial reverse mutation test	471	-	Salmonella typhimurium strains	48 hours	Negative
Reproductive toxicity	Not subject to classification in a particular hazard class (Absence of specific data). Natural product.				
Germ cell mutagenicity	Not subject to classification in a particular hazard class (Absence of specific data). Natural product.				
Specific target organ toxicity – single exposure	Not subject to classification in a particular hazard class (Absence of specific data). Natural product.				
Specific target organ toxicity – repeated exposure	Not subject to classification in a particular hazard class (Absence of specific data). Natural product.				
Aspiration hazard	Not subject to classification in a particular hazard class (Absence of specific data). Natural product.				

12-2 PERSISTENCE AND DEGRADABILITY

Stable and not biodegradable (inorganic product).

12-3 BIOACCUMULATION POTENTIALITY

Not applicable (inorganic product).

12-4 MOBILITY IN THE FLOOR

No specific data.

12-5 PBT AND VPVB

This substance does not contain persistent, bioaccumulative and toxics (PBT) ingredients or very persistent and very bioaccumulative (vPvB) ingredients at 0,1% or more.

SAFETY DATA SHEET

(EU) n° 2020/878 of 18th June 2020 update of the annex II (EU) n° 1907/2006 of the European parliament and of the Council regarding the registration, the evaluation and the authorization of chemicals substances and restrictions in force (REACH)

12-6 ENDOCRINE DISRUPTING PROPERTIES

The substance does not contain components considered to have endocrine disrupting properties according to Article 57(f) of REACH or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0,1% or more.

12-7 OTHER ADVERSE EFFECTS

None known.

HEADING 13 - DISPOSAL CONSIDERATIONS

Clay treatment: Waste must be disposed of in accordance with applicable local, national and European legislation. Waste can be landfilled if local regulations allow it. Waste should not be disposed of by discharge into the sewer system.

Packaging treatment: Empty the packaging. Dispose of as an unused product, in curbside recycling.

HEADING 14 - TRANSPORT DATA

14-1	14-2	14-3	14-4	14-5	14-6	14-7
UNO number	Exposure name of the United States	Transport Hazard class	Packaging group	Environment hazard	Precautions to be taken by the user	Bulk maritime transport in accordance with IMO instruments
Not classified	No data	Not classified	Not concerned	None	See 7.1	Not concerned

HEADING 15 - REGULATION DATA

15-1 SUBSTANCE/MIXTURE-SPECIFIC SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION

EU. Directive 2012/18/EU (SEVESO III) on the control of major-accident hazards involving dangerous substances, and its amendments: Not applicable.

15-2 CHEMICAL SAFETY ASSESSMENT

No assessment has been carried out for this product (non-applicable mineral natural product).

HEADING 16 - OTHER DATA

Reason for changing from the previous version: Changes from the last version are highlighted in the margin. This version supersedes all previous editions.

SAFETY DATA SHEET

(EU) n° 2020/878 of 18th June 2020 update of the annex II (EU) n° 1907/2006 of the European parliament and of the Council regarding the registration, the evaluation and the authorization of chemicals substances and restrictions in force (REACH)

CAS	Chemical Abstrate Service number.
EC	7-digit identification number for substances placed on the European market.
INCI	Internationnal Nomenclature of Cosmetic Ingredients
REACH	Registration, Assessment, Autorization and restriction of CHemicals
LNDE	Level with no derived effect
CE50	Effective Concentration 50 %
CL50	Lethal Concentration 50 %
DL50	Lethal Concentration 50 %
NECO	No effect concentration observed
PBT	Persistent, bioaccumulative and toxic
ENEL	Expected No Effect Level
SDS	Safety data sheet
vPvB	Very persistent and highly bioaccumulative

<http://echa.europa.eu/>

Disclaimer : Information contained in this fact sheet comes from sources that we believe to be trustworthy. Nevertheless, they are provided without any guarantee, express or implied, of their accuracy. The conditions or methods of handling, storing, using, or disposing of the product are beyond our control and may not be within our control. For these reasons, among others, we accept no liability for any loss, damage or expense caused by or in any way connected with the handling, storage, use or disposal of the product. This SDS has been written and is to be used only for this product. If the product is used as a component of another product, the information contained in the product may not be applicable.