



SAFETY DATA SHEET

Diatomaceous Earth amorphous

Version u 06/02/2018
Date revised :
20/11/2018

1- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1. Identification :

Commercial name:

Amorphous Diatomaceous Earth

100% natural Substance

Unprocessed product (not calcined in particular).

Numéro CAS : 61790-53-2

1.2. Relevant and / or not relevant uses:

Desiccant, culture medium, filter aid.

Considered as a food additive (E 551).

Cosmetic ingredient.

Organic compatible (Usable in organic farming NFU 44551)

1.2. Ecoflores

ul. Waksmundzka 34, 34-400 Nowy Targ, Poland tel. +48-604508229

kontakt@ecoflores.eu www.ecoflores.eu

1.3. Emergency telephone number : 112

2- HAZARD IDENTIFICATION

2.1 GHS Classification:

Physical and chemical hazards: No Classification

Human Health: No Classification

Environment: No Classification

Exempt from REACH registration (source: ECHA): natural substance, not chemically modified. (Annex IV and V of the REACH regulation). The risks are considered to be sufficiently known.

On health: irritation of the eyes and respiratory system if prolonged use.

On the environment: no adverse effects.

Growth activator and water regulator once in the soil.

Chemical reactions: no risk of flammability or explosion

2.2 Label elements:

Pictogram None

Signal Word None

Hazard Statement None

Precautionary Statements None

	SAFETY DATA SHEET Diatomaceous Earth amorphous	Version u 06/02/2018 Date revised : 20/11/2018
--	-----------------------------------------------------------------	------------------------------------------------------

3 - COMPOSITION INFORMATION ON INGREDIENTS

3.1. Substances:

100% natural Diatomaceous Earth, extracted from natural quarries in Europe, mechanically refined without chemical transformation.

Contains 34% CO₃CA.

Presence of Al₂O₃ (01.40%) and Fe₂O₃ (00.72%).
Amorphous silica. (Crystalline silica content <0.01%)
Cristobalite concentration (Cas 14464-46-1) <0.01%
No presence of Tridymite (CAS 15468-32-3).

3.2. Mixtures: no mixtures.

4 - FIRST AID

4.1. Description of first aid:

After repeated or prolonged inhalation, or contact with the eye, rinse with plenty of water.

4.2. Symptoms and side effects:

Not dangerous if involuntary ingested. Skin or eye irritation if prolonged contact.

4.3. Medical care and special treatment needed:

Medical validation if necessary.

Skin irritation effects can be treated locally with an appropriate moisturizer.

5- FIRE FIGHTING MEASURES

5.1. Extinguishing media:

Use the usual means available.

Note that TD can serve as a chemical retentant (oil / hydrocarbon types) or be used as firebreak sand.

5.2 Special hazards arising from the substance:

Not applicable, the material is not flammable. Flammability class:

This product is not flammable.

Flash point and Method: Not applicable. Flammable limits: Not applicable.

Auto-ignition temperature: Not applicable. Extinguishing media: Not applicable.

Products of combustion: Not applicable.

Fire Procedures / Equipment: Not applicable. Use the usual appropriate means of control

5.3. Environmental precautions:

Dispose of the soiled product in accordance with the applicable waste regulations. The healthy product is beneficial for the environment once in the soil.

	SAFETY DATA SHEET Diatomaceous Earth amorphous	Version u 06/02/2018 Date revised : 20/11/2018
--	-----------------------------------------------------------------	------------------------------------------------------

5.4. Methods and material for containment and cleaning up:
Vacuum cleaning.

6 - STORAGE USE AND HANDLING PRECAUTIONS

6.1. Precautions for safe handling:

Avoid contact with eyes. Avoid breathing dust. Keep the product in its packaging.

6.2. Storage conditions :

Store in a dry place away from heat.

Take into account the presence of dust when handling, the container tightly closed in a dry and well-ventilated place.

7 - WORKER EXPOSURE LIMITS AND PERSONAL PROTECTION :

7.1. Control parameters:

Ventilation: Indoor dust control recommended

Maximum VME exposure value: 5 mg / m³ (alveolar fraction); 10 mg / m³ (inhalable fraction).
(INRS sources).

Respiratory: Not applicable.

7.2. Exposure controls:

Skin: Watch for any irritations (redness, tingling in the eyes). Preferably wear suitable clothing. (Dust).

Eyes / face: Dust mask and goggles are recommended.

General hygiene: Avoid breathing dust. (Masks). Avoid contact with the eyes. Wash hands after handling and before eating or drinking.

Drying, it is recommended to moisturize the skin (creams, water) after prolonged use.

8 . PHYSICAL AND CHEMICAL PROPERTIES

Appearance Powder (solid with particles of average 30 microns, spectrum from 10 to 100 microns) (Slight variability).

White to cream color (slight variability). PH (at 10%) 5 to 7 depending on qualities.

Odor odorless.

Melting point 1400 ° C - 1450 ° C. Physical state: solid.

Flash point: Not applicable.

Bulk density 350 kg / m³ (slight variability). Flammability: Not applicable.

Boiling point: Not applicable. Non oxidizing.

Electrical insulation.

	SAFETY DATA SHEET Diatomaceous Earth amorphous	Version u 06/02/2018 Date revised : 20/11/2018
--	-----------------------------------------------------------------	------------------------------------------------------

9 - STABILITY AND REACTIVITY OF THE PRODUCT

9.1. Responsiveness:

Physical risks: The material is not reactive.

9.2. Chemical stability:

Chemical stability: The product is stable.

Incompatible materials Hydrofluoric acid. Conditions to avoid: Not applicable.

Incompatibilities: hydrofluoric acid.

Hazardous decomposition products: not applicable.

10. TOXICOLOGICAL INFORMATION

None.

11. ECOLOGICAL INFORMATION

11.1. Toxicity:

The product is non-toxic and harmless.

11.2. Persistence and degradability:

Progressive gelation under the prolonged effect of water.

11.3. Bioaccumulative potential: Not applicable.

11.4. Mobility in soil:

The product mixes easily in the soil and becomes a water regulator and growth promoter.

11.5. Results of PBT and VPVT assessment:

Not applicable.

Not ECHA registered.

12. OTHER HARMFUL EFFECTS

Occasional irritation possible in case of prolonged application. Inorganic substance.

Generally considered to be chemically inert in the environment and ecologically safe.

Adds value to soil or manure (trace elements), water retention.

13. INFORMATION ON WASTE DISPOSAL

	SAFETY DATA SHEET Diatomaceous Earth amorphous	Version u 06/02/2018 Date revised : 20/11/2018
--	-----------------------------------------------------------------	------------------------------------------------------

If this product, as supplied becomes waste, use as common solid waste for landfill-type operations. Avoid creating dust.

If soiled must be treated as waste according to local regulations. Unpolluted can be used as a growth promoter in soils.

14. TRANSPORT INFORMATION

The material can be transported by air, road, sea.

Not dangerous product within the meaning of transport regulations.

14.1. UN number: not applicable.

14.2. UN proper shipping name: not applicable.

14.3. Transport hazard class (es): not applicable.

14.4. Packing group: not applicable.

14.5. Environmental hazards: not applicable.

14.6. Special precautions for the user:

Keep the product in its packaging and in a dry environment. Avoid dust.

15- REGULATORY INFORMATION

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

15.2. Chemical safety assessment:

Chemical safety assessment (CSA) not required.

16 - OTHER INFORMATION

This information is based on our current knowledge, and in good faith. However, this should not constitute a guarantee as to the properties of the product and does not give rise to a contractual legal relationship.

In particular, it is necessary to be vigilant for all possible risks during unauthorized use.

adapted from the product, other than those for which it is described.

The user of the product remains solely responsible for its use, its detention, its handling.

This safety data sheet must be able to be brought to the attention of all people who may come into contact with this product (storage, safety, cleaning, handling, etc.).