

Safety Data Sheet

According to EC Regulation (EC) 1272/2008

Issue date: 01.06.2021

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product Identifier

Product Name: PestiSi Crop Treatment

1.2. Relevant identified uses of the substance or mixture and uses advised against

For industrial usage without any further processing; processed: for general usage, for treatment of stored products.

1.3. Details of the supplier of the safety data sheet

Pentele Zrt.

H-2400 Dunaújváros, Kenyérgyári út 10.

Tel.: +36 25 413-033, Fax: +36 25 286 040

E-mail: pentelezrt@invitel.hu

Website: www.pestisi.hu

1.4. Emergency telephone

Health Toxicology Information Service

H-1097 Budapest, Albert Flórián út 2-6.

Tel.: +36 80 201 199, +36 1 476 6464

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

2.2 Label elements

CAS: 61790-53-2

Diatomaceous earth, calcit and mixture of other milled silicate based natural minerals.

Warning sentence:

S22 Do not inhale its dust!

2.3 Other hazards

The product does not meet the following criteria: persistent, bioaccumulative and poisonous (PBT); very persistent and very bioaccumulative (vPvB). In case of proper usage there is no hazard.

SECTION 3: Composition / information on ingredients

3.1 Composition

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

CAS: 61790-53-2

Diatomaceous earth, calcit and mixture of other milled silicate-based natural minerals.

Sum formula: $\text{SiO}_2 \cdot x \text{H}_2\text{O}$, CaCO_3

3.2 Mixture

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:

Take the person who has inhaled the product to fresh air.

Skin contact:

If skin contact occurs: rinse it well with water.

Eye contact:

If eye contact occurs: rinse well the wide open eye with water.

If irritation persists, get medical attention/visit an eye doctor.

Swallowed:

Swallowing substantial amount – in case of discomfort get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Not applicable

4.3. Indication of any immediate medical attention and special treatment needed

Not applicable

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

According to the stored materials around.

Unsuitable extinguishing media:

Not applicable

5.2. Special hazards arising from the substance or mixture

None, non-flammable material

5.3. Advice for firefighters

Not applicable

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid building up of dust! Do not inhale its dust!

6.2. Environmental precautions

Not applicable

6.3. Methods and material for containment and cleaning up

In case of spilling out, clean it up. It can be deposited onto the soil directly.

6.4. Reference to other sections

See recommendation in Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

No specific precautions.

7.2. Conditions of safe storage, including any incompatibility

Keep it in a dry place. No temperature restriction applies.

7.3. Specific end use(s)

Grain storage treatment.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits:

8.2. Exposure controls:

Breathing protection:

Required in case dust builds up.

Hand protection:

Gloves can be used to protect against physical injury (fabric gloves).

Eye protection:

Required.

Skin protection:

Suitable garment.

Direction for personal protecting equipment:

The personal protective equipment must be selected by the workplace according to the nature and quantity of the hazardous material.

Dirtied garment must be removed. Wash hands after being in contact with the material.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Solid, powder
Colour:	Greyish drab
Odour:	Odourless
pH-value:	6,5-7,5 (water mixed)

Melting point/freezing point:	> 1500 °C
Boiling point:	No data available / Not applicable
Auto-ignition temperature:	No data available / Not applicable
Flash point:	No data available / Not applicable
Explosive limits:	No data available / Not applicable
Density (20°C):	Kb. 2 g/cm ³
Water solubility:	Insoluble
Solubility (in oil and in organic solvent):	Insoluble

9.2. Other information

No data available / Not applicable.

SECTION 10: Stability and reactivity

10.1. Reactivity

Natrium (metal), hydrogen fluoride.

10.2. Chemical stability

Stable with recommended storage.

10.3. Possibility of hazardous reactions

See Section 10.1

10.4. Conditions to avoid

In case of proper usage it does not apply.

10.5. Incompatible materials

See Section 10.1

10.6. Hazardous decomposition products

See Section 5.2

SECTION 11: Toxicological information

General toxicological information:

Natural, non-toxic material. Inhaling its dusts must be avoided because the neutral dusts can also damage the respiratory functions.

11.1. Information on toxic effects

Acute oral toxicity:

LD₅₀ (orally, rat): >10000mg/kg

Acute skin toxicity

LD₅₀ (on skin, rabbit): >5000mg/kg

11.1.2. Irritation

Symptoms occurred during animal experimentation:

Eye irritation examination (rabbit):

Physical irritation can occur.

Skin irritation examination (rabbit):

No irritation effect.

11.1.3. Corrosive effect

Non-toxic.

11.1.4. Sensibilisation

Non-toxic.

11.1.5. Ismételt dózisú toxicitás

No data available.

11.1.6. Carcinogenicityti

Non-toxic.

11.1.7. Mutagenicity

Non-toxic.

11.1.8. Reproductive toxicity

Non-toxic.

SECTION 12: Ecological information

12.1. Toxicity

No ecological problems expected in case of proper handling.

Fish toxicity

Br. rerio LC50: >10000mg/l/96h (OECD203)

Daphnia toxicity

D. magna EC50: >10000mg/l/24h (OECD202)

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product:

Collection and disposal of the product must be carried out according to the current national official regulations. This is a milled, mineral-based product which in most cases can be disposed of in the environment without any additional treatment.

Packing material:

The packaging materials must be disposed according to the current national official regulations.

SECTION 14: Transport information

No special direction applies.
ADR/ADN/RID Non-hazardous product.
IMDG Non-hazardous product.
IATA Non-hazardous product.

SECTION 15: Regulatory information

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

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

15.2. Chemical safety assessment

Labelling according to EG directives: -

Warnings:

Hazard data (R-sentence): -

Safety advice (S-sentence): S22 Do not inhale its dust!

SECTION 16: Other information

S22 Do not inhale its dust!

Data given here is based on knowledge available at this point and it aims to give information on safety matters related to the product. The data does not guarantee the characteristics of the product.