



Material Safety Data Sheet

Section 1: Identification of the substance and society

1.1 Product identifier

Trade Name	Zeo Guard
REACH Number	Not covered under CLP rules
Chemical Identification	Natural zeolite, sedimentary origin
CAS Number	12173-10-3
CPID	962668-75
PFC	3(B) Anorganisches Bodenverbesserungsmittel
CE number	215-283-8

1.2 Relevant identified uses of the substances or mixture and uses advised

Agriculture, livestock, chemical industry, petroleum industry, construction, air or water purification, pharmaceuticals, cosmetics, environmental protection, products for home uses, etc.

1.3 Details of the supplier Safety Data Sheet

Company Name	RM Symtic GmbH
Adress	Kappelerweg 7 8570 Weinfelden +41 79 286 62 06
Phone	anfrage@naturkraftessenz.ch
E-mail	Naturkraftessenz.ch
Web	

1.4 Emergency telephone number

RM Symtic GmbH
+41 79 286 62 06
Business hours: Mo. - Fr. 08:00-12:00 / 13.30-17:00

Section 2: Hazards Identification

2.1 Classification of the substances or mixture

This substance does not meet the criteria of classification in accordance with Regulation (EC) no. 1272/2008/EC

2.2 Label elements

In accordance with Regulation (EC) no. 1272/2008 (CLP) this is not required.

2.3 Other hazards

There are no known toxic effects of acute and / or chronic human health and / or to the environment. May cause temporary mechanical irritation to skin, eyes and / or respiratory tract. In case of respiratory pathologies, prolonged exposure to direct inhalation can amplify the condition. The substance does not meet PBT or vPvB criteria in Annex XII of Regulation EC No 1907/2006 (REACH).



SECTION 3: Composition / information regarding constituents

3.1 Substances

<i>Constituent</i>	<i>CAS Number</i>	<i>CE Number</i>	<i>Classification Regulation EC 1272/2008</i>	<i>%</i>
Tuff zeolite clinoptilolite	12173-10-3	215 - 283 - 8	Not dangerous	90

3.2 Mixtures

The substance contains a very small amount of quartz (breathable).

Section 4: First aid measures

4.1 Description of first aid

Eye contact:

Rinse thoroughly and repeatedly. Remove contact lenses if accessible to do so. Continue to rinse for a few minutes. If eye irritation persists, please contact a specialist.

Skin contact:

Wash thoroughly with soap and water. Non-irritating.

Inhalation:

Take the affected person to fresh air and keep at rest, in a comfortable breathing position. In case difficult breathing persists, please contact a specialist.

Ingestion:

Rinse mouth with water ... it does not induce vomiting. If you continue to feel ill or have ingested large quantities, please contact a specialist.

4.2 Most important symptoms and effects, both acute and delayed

Eye contact:

Transient irritation, redness and tearing.

Skin contact:

Transient redness and irritation.

Inhalation:

Slight irritation of the throat and / or nasal mucus.

Ingestion:

Transient gastrointestinal tract irritation.

4.3 Indication of any immediate medical attention and special treatment required

Apply basic first aid and symptomatic treatment (see section 4.1).

SECTION 5: Firefighting measures

5.1 Extinguishing Fire

The material is not flammable.

5.2 Special hazards arising from the substance or mixture

The material is not flammable under normal usage and storage conditions. In case of fire, this can only be generated by the combustion products of other substances involved.

5.3 Advice to firefighters

It's not necessary.

SECTION 6: Measures in case of accidental release

6.1 Personal precautions, safety equipment and emergency procedures



In working areas, the legal limit of dust concentration must be complied with. If temporarily this can not be achieved, the staff must use specific work equipment (protective breathing mask, safety goggles, gloves, etc.) When the work is finished, the face and hands should be washed with soap and water.

6.2 Environmental safety precautions

Zeolite does not contaminate soil or water. It is not a hazardous waste. It can be combined with the soil or drained.

6.3 Methods and materials for fire containment and cleaning

The zeolite can be cleaned by mechanical procedures.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Workers need to be adequately informed with regard to safely handling the material and on first aid procedures. Environment and working methods are organized so that direct contact with the substance will be prevented or reduced to a minimum. Avoid breathing the dust. Avoid skin and eyes contact. Ensure adequate ventilation. Use appropriate personal safety equipment.

7.2 Conditions for safe storage, including any incompatibilities

Store in a dry, cool, well-ventilated place and only in the original packaging. Keep container tightly closed and properly labeled. Avoid exposure to moisture and direct sunlight. Keep away from incompatible materials.

SECTION 8: Exposure controls / staff protection

8.1 Control parameters

There are no defined professional exposure limit values specific to the substance, which is why we will be referring to the maximum permitted levels.
Professional exposure limit value for dust is 10 mg/m³
Alveolar exposure limit value is 3 mg/m³

8.2 Exposure controls

Use personal protective equipment according to European standards. Consult with your supplier each time before taking a final decision.

Skin protection:

Work equipment and appropriate work shoes

Hand protection:

In case of prolonged material handling, wear suitable gloves

Eye protection:

Wear suitable protective goggles with side protection

Respiratory protection:

In case there is a risk of exposure to high concentrations of dust, wear a dust mask

Technical measures and hygiene:

Use a ventilation system for localized suction or any other devices in order to keep particle levels in the air below the recommended exposure limits. Wash hands and other exposed areas to the material after use. Periodically wash work clothing and personal protective equipment to remove contaminants.

Material handling is done in accordance with good industrial hygiene.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties



- (a) appearance:
white-gray when dry; gray-green when wet.
- (b) smell:
odorless
- (c) odour threshold;
not applicable
- (d) ph:
8.75 – 9.2
- (e) melting point / freezing point;
melting temperature – approximatively 1300 o C
freezing point – not applicable
- (e) initial boiling point and boiling range;
not applicable
- (f) the flashpoint;
not applicable
- (g) the rate of evaporation;
not applicable
- (h) flammability (solid, gas):
not applicable
- (i) Upper / lower flammability or explosion limit;
not applicable
- (j) vapor pressure;
not applicable
- (k) vapor density;
not applicable
- (l) the relative density;
specific weight about 2.4 g/cm³
- (n) solubility (solubilities)
it is not soluble in water
resistant to acids and bases
- (o) partition coefficient: n-octanol / water;
not applicable
- (p) auto-ignition temperature;
not applicable
- (q) decomposition temperature;
not applicable
- (r) viscosity;
not applicable
- (s) explosive properties;
it is not explosive
- (t) oxidising properties.
not relevant

9.2. Other information

No additional information is needed.