



Material Safety Data Sheet

Date of issue: September, 1th, 2016.

Supersedes edition of: -

According to Regulation (EC) No. 1907/2006 (REACH)

1. Identification of the substance/preparation and of the company/undertaking

Identification of the product

Catalogue No.: -

Product name: **ZEOFIT – Food Supplement**

Dynamic Micronized Zeolite (Clinoptilolite)

Use of the substance/preparation

Active substance for cosmetic products, food
supplements, animal feed and medicinal products

Company/undertaking identification

Company: Dinamik Mikronize Teknoloji A.Ş.
Küçükyalı İş Merkezi, Girne Mah.
Irmaklar sok. C Blok No:72-3C
34852 Maltepe, İstanbul,
Türkiye

Contact for Your information: e-mail: info@dynamicrotech.com

2. Hazards identification

Main hazard: Not classified as hazardous product as specified in
Directive 67/548/EEC.

Health effects (eyes): Dust can cause transient irritation by abrasion and/or
desiccation.

Health effects (skin): Dust may cause irritation by abrasion and/or desiccation.

Health effects (respiratory system): Inhalation of the dust may cause irritation the mucous membrane and upper airways. Symptoms can include sneezing, coughing, and breathing difficulties.

3. Composition/information on ingredients

Micronized clinoptilolite is micronized natural zeolite mainly consisting of clinoptilolite mineral [Ca/Mg/(K/Na)₂Al₂Si₇O₁₈•xH₂O].

CAS-No. (zeolites): 1318-02-1

CAS-No. (clinoptilolite): 12173-10-3

Chemical name: calcium, magnesium, potassium, sodium aluminosilicate hydrate

Chemical family: zeolites; aluminosilicates

EC-No. (clinoptilolite): -

4. First aid measures

After inhalation: Fresh air

After skin contact: Wash off with plenty of water. Remove contaminated clothing.

After eye contact: Rinse out with plenty of slightly warm water with the eyelid held wide open.

After swallowing: Immediately make victim drink plenty of water. Consult doctor if feeling unwell.

5. Fire-fighting measures

Suitable extinguishing media: In adaption to materials stored in the immediate neighbourhood.

Special risks: Non-combustible.

6. Accidental release measures

Person-related precautionary measures: Avoiding generation of dusts; do not inhale dusts.

Procedures for cleaning / absorption: Take up dry. Forward for disposal. Clean up affected area.

7. Handling and storage

Handling: No further requirements.

Storage: Tightly closed. Dry. Storage temperature: no restrictions.

8. Exposure controls/personal protection

Personal protective equipment:

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to the product should be ascertained with the respective supplier.

Respiratory protection: Required when dusts are generated. Filter P 2 (according to DIN 3181) for solid and liquid particles of harmful substances.

Eye protection: Required.

Hand protection: In full contact: Glove material: nitrile rubber
Layer thickness: 0.11 mm
Breakthrough time: >480 min.
In splash contact: Glove material: nitrile rubber
Layer thickness: 0.11 mm
Breakthrough time: >480 min.

The protective gloves to be used must comply with the specification of EC Directive 89/686/EEC and the resultant standard EN374.

Industrial hygiene: Change contaminated clothing. Wash hands after working with substance.

9. Physical and chemical properties

Form (at 20 °C): Solid. Very fine powder.
Colour: White-to-pale greenish.
Odour: Odourless-to-almost odourless.
pH value (at 100 g/L of water): 7.0-8.0 (slurry)
Melting point: >1000 °C (decomposition)
Boiling point: Not applicable.
Ignition temperature: Not applicable.
Flash point: Not applicable.

Explosion limits:	Not applicable.
Vapour pressure:	Not applicable.
Density (20 °C):	2.0-2.4 g/cm ³
Bulk density:	400-450 kg/m ³
Solubility in water (20 °C):	Not soluble.
Thermal decomposition:	>1000 °C

10. Stability and reactivity

Conditions to be avoided:	No informations available.
Substances to be avoided:	Violent reaction with fluorine.
Hazardous decomposition products:	No informations available.
Other informations:	Stable under normal conditions of use.

11. Toxicological information

Acute toxicity (clinoptilolite):	No informations available.
Subacute to chronic toxicity (clinoptilolite):	Sensitization: In animal experiments: negative. Bacterial mutagenicity: Ames test: negative.
Further toxicological information:	The product is irritant to eyes. Inhalation of dust may cause irritation the mucous membrane and upper airways. According to our own experiences, no other toxic or harmful effects are to be expected when the product is handled appropriately.
Further data:	The product should be handled with care usual when dealing with chemical products.

12. Ecological information

Biological degradation:	The product is resistant to biodegradation. Methods for the quantitative determination of biodegradability are not applicable to inorganic substance.
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Behavior in environmental compartments:	Concentration in organisms is not to be expected. The product is insoluble and not volatile, and will accumulate in the ground.
Ecotoxic effects:	Quantitative data on the ecological effect of this product are not available.
Further ecologic data:	Since DMZ micronized clinoptilolite is natural inorganic substance, no ecologic problems are to be expected when the product is handled and used with due care and attention.

13. Disposal considerations

Product:	The product must be disposed of in compliance with respective national regulations for disposal of fertilizers.
Packaging:	The product packaging must be disposed of in compliance with the country-specific regulations or must be passed to a packaging return system.

14. Transport information

Not subject to transport regulations.

Not Restricted Under IATA Regulations.

15. Regulatory information

Labelling according to EC Directives

Symbol: -

R-phrases: 20
20 (Harmful by inhalation)

S-phrases: 2/22/25/37/39/46
2 (Keep out of reach of children); 22 (Do not breath dust); 25 (Avoid contact with the eyes); 37 (Wear suitable gloves); 39 (Wear eye/face protection); 46 (If swallowed, seek medical advice immediately and show this container or label)

16. Other information

Reason for alteration: First edition.

Regional representation: This information is given on the authorised Safety Data Sheet for Your country.

Important notice

The information given in this document is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.
