

1. COMPANY / UNDERTAKING

1.1. Product identifier

Product name: **ZEOLAN-K**

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

Application of the substance: Used for Dehumidifying and drying applications only

1.3. Details of the supplier of the SDS

Manufacturer/Supplier: **NEDEX KİMYA SANAYİ ve TİC. A.Ş.**

Address: Aracı Sokak No 8 34774 Ümraniye/İstanbul/Turkey

Telephone: +90 (0) 216-488 01 55

Fax: +90 (0) 216 488 52 96

E-Mail: info@nedexgroup.com

Related Person: Aslıhan Aydın

1.4. Emergency telephone number : **+90 (0) 506-624 79 14**

2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Physical hazards: No application

Harm to human health: No application

Environmental hazard: No application

2.2 Label elements Labelling

(REGULATION (EC) No 1272/2008)

Hazard pictograms: No application

Signal word: No application

Hazard statements: No application

Precautionary statements: No application

2.3 Other hazards: None known.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance: Not applicable

3.2 Mixture

Chemical Name	EC Nr.	CAS Nr.	Concentration (%)	Classification	Hazard statem. code	Other inform.
Zeolite	215-283-8	1318-02-1	40-80%	Not classified	-	-
Calcium Bentonite	308-115-0	97862-66-3	20-60%	Not classified	-	-

REACH REG NR : 012119429034-49-0025

4. FIRST AID MEASURES

After inhalation: Move victim to fresh air. Instruct person to keep calm and warm.
In case of irritation of the respiratory tract seek medical advice.

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water.

After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult an ophthalmologist.

After swallowing: Rinse mouth immediately and drink large quantities of water.

Advice to doctor: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media A suitable extinguishing media:
Not applicable. Inorganic powder or granules. Non-combustible.

5.2 Special hazards arising from the substance or mixture It does not contain harmful combustion and decomposition products.

5.3 Advice for firefighters Special protective equipment: Wear a self-contained breathing apparatus.
Further information: Fight against fire in the direction of official regulations.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective gloves/protective clothing/eye protection/face protection.

6.2 Environmental precautions

Do not allow product to product or arising from waste into drains, soil and surface- and groundwater.

If the product got to the water system, drainage, contaminated ground or vegetation, should notify.

6.3 Methods and materials for containment and cleaning up

By sweeping the spill area; Avoid raising dust. Provide ventilation.

The contaminated area should be cleaned with water

6.4 Reference to other sections

For further information and details, see sec. 8 and 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Proceed in accordance with the General principles of safety and health at work with chemicals.

Use personal protective equipment as required.

Do not eat, drink or smoke when using this product.

Take off immediately contaminated clothing.

Take off contaminated clothing and wash before reuse.

Wash contaminated clothing before reuse.

Avoid release to the environment. Avoid dust production.

Use appropriate clothing and gloves in the work area.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Store in a dry place. Protect from moisture.

Store in a closed container. Keep container tightly closed.

Do not load more than 6 carton boxes top on top.

7.3 Specific end use(s)

Used for IG applications only.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

The relevant exposure limit values:

Zeolite

Dust, total inhalable: UK EH40: OES 10 mg/m³ 8h TWA

Dust, respirable: UK EH40: OES 4 mg/m³ 8h TWA Particulates not otherwise classified, inhalable:

ACGIH: TLV 10 mg/m³ 8h TWA

Particulates not otherwise classified, respirable: ACGIH: TLV 3 mg/m³ 8h TWA

8.2. Exposure controls:

Appropriate engineering controls

Provide local exhaust or process enclosure ventilation system.

The receptacles have to be tightly closed.

Formation of dust has to be prevented.

Vacuum systems are provided if dust formed.

Any unavoidable deposit of dust must be regularly removed.

Individual protection measures

Taking into account the Personal Protective Equipment Regulation and taking into account the appropriate CEN standards.

Do not eat, drink or smoke when using this product.

Wash thoroughly with soap after handling. Ensure proper ventilation.

Do not take contaminated clothing out of the workplace.

Individual protection measures, such as personal protective equipment

Breathing equipment:

Use breathing apparatus.

Protection of hands:

Protective gloves. The lid must be leakproof and resistant to the product.

Penetration time of the material of the glove:

The exact period of use must be observed and determined by the protective glove manufacturer.

Eye protection or face:

It is not necessary.

Skin protection:

Wear protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Parameter	Note
Appearance	Solid
Colour	White/Beige
Odor	Odorless
pH	9-12 at 5% w/w in water
Melting/freezing	Not applicable
Initial boiling point/range	Not applicable.
Flash point	Not applicable
Evaporation	Not applicable
Flammability	Not applicable
Vapour Density	Not applicable
Vapour pressure	Not applicable
Solubility in water	not mixed or hard mixed
Log Pow	Not applicable
The decomposition temperature	Not applicable
Explosive Properties	product is not explosive
Fluidity	Not applicable
Density (20 °C):	0.70 g/cm ³ -0.95 g/cm ³
9.2 Other data	Not applicable

10. STABILITY AND REACTIVITY

10.1 Reactivity	Stable under recommended storage and handling conditions.
10.2 Chemical stability	Stable under normal conditions of use.
10.3 Possibility of hazardous reactions	No known hazardous reactions.
10.4 Conditions to avoid	Avoid dust formation.
10.5 Incompatible materials	Strong acids and bases.
10.6 Hazardous decomposition products	No information available.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity Oral, LD50: >10.000 mg/kg (rat) (Zeolite);

Inhalation: This product is considered to be a nuisance dust/granules and does not produce significant disease or toxic effect when exposure is kept below the permitted limits. However, existing medical conditions (eg. asthma, bronchitis) may be aggravated by exposure to dust. Effects of dust may be greater, and occur at lower levels of exposure in smokers compared to non smokers.

Skin irritation	Not irritating.
Eye irritation	Not irritating.
Sensitisation	This information is not available.
Germ cell mutagenicity	This information is not available.
Carcinogenicity	This information is not available.
Reproductive toxicity	This information is not available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity	No information available.
12.2 Persistence and degradability	The product is not readily biodegradable.
12.3 Bioaccumulative potential	No information available.
12.4 Mobility in soil	No information available.
12.5 Results of PBT and vPvB assessment	No information available.
12.6 Other adverse effects	No information available.

13. DISPOSAL CONSIDERATIONS

Advice on disposal Dispose of waste according to applicable local, state, and federal regulations. Cleaned containers may be recycled.

14. TRANSPORT INFORMATION

Land transport (ADR/RID) Not classified as dangerous in the meaning of transport regulations.
Inland waterways transport Not classified as dangerous in the meaning of transport regulations.
Marine transport Not classified as dangerous in the meaning of transport regulations.
Air transport Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

The product has been classified and labelled in accordance with EC Directives / Chemicals (Hazard, Information and Packaging for Supply) (CHIP) Regulations.(According to Regulation (EU) No. 1907/2006 (REACH)

Information concerning the adjustment of the safety data sheet of the chemical:

The safety data sheet of the chemical has been verified in accordance with annex II of the Regulation 453/2010/EC (sec. 1-16).

The classifications of the components and the mixture have been amended in accordance with Regulation (EC) 1272/2008/EC (CLP), as amended.

16. OTHER INFORMATION

Update This product has been updated and prepared according to Regulation (EU) No. 1907/2006 (REACH)

Abbreviations and acronyms

CLP EU regulation (EC) No 1272/2008 on classification, labeling and packaging of Chemical substance and mixtures.
CAS Chemical Abstracts Service (division of the American Chemical Society)
EINECS European Inventory of Existing Commercial Chemical Substances.
RID Regulations Concerning the International Transport of Dangerous Goods by Rail
ADR Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
GHS Globally Harmonized System of Classification and Labelling of Chemicals
H statements H315 Causes skin irritation.
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Qualification Certificate Number: 01.129.07
Qualification Certificate Date: 08.06.2017

The information in this SDS is provided all the relevant data fully and truly. However, the information is provided without any warranty on their absolute extensiveness and accuracy. This SDS was prepared to provide safety preventive measures for the user who has got professional training. The personal user who obtained this SDS should make independent judgment for the applicability of this SDS under special conditions. In these special cases, we do not assume responsibility for the damage. According to REACH Article 31(5), the SDS shall be supplied in an official language of the Member State(s) where the substance or mixture is placed on the market, unless the recipient Member State(s) concerned provide otherwise. It should also be noted that this SDS is applicable to the countries with English as an official language.