

Material Safety Data Sheet

ZEOLAN-NA3 MOLECULAR SIEVE DESICCANT

According to 91/155 EEC

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1 Identification of substance

Product details

Trade name

ZEOLAN-NA3

Application of the substance

Insulating glass desiccant

Manufacturer/Supplier

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Informing department

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Emergency information

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2 Composition/Data on components

Composition

Ingredients	%W/W	CAS No	EINECS No	EC Classification
Zeolite	30-70	1318-02-1	2152838	Occupational Exposure Limits
Alumina silicate	05-35	1302-78-9		
Natural binders	05-35			

Description

Zeolithe based desiccant

Dangerous components

No hazardous materials present as defined
By Chemicals Registrations 2002 (Hazard Information
and Packaging for Supply)

Additional information

none

3 Hazards identification

Hazard designation
Information pertaining to
particular dangers for man
and Environment

Not regarded as a health or environmental hazard

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version. 52/53 Not Harmful to aquatic organisms, doesn't cause long-term adverse effects in the aquatic environment.

Classification system

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

4 First aid measures

After inhalation
After skin contact
After eye contact

Supply fresh air; consult doctor in case of symptoms.

Wash with water and soap and rinse thoroughly.

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

After swallowing

In case of persistent symptoms consult doctor.

5 Fire fighting measures

Suitable extinguishing agents

Not flammable, CO₂, extinguishing powder or water jet for surrounding materials.

Protective equipment

Wear self-contained breathing apparatus.

Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

Person-related safety
precautions
Measures for environmental
protection

Wear protective clothing.

Do not allow product to reach sewage system or water bodies. Inform respective authorities in case product reaches water or sewage system. Do not allow to enter drainage system, surface or ground water.

**Measures for cleaning/
collecting**

Dispose of contaminated material as waste according to item 13.

Collect mechanically.

Send for recovery or disposal in suitable containers.

7 Handling and storage

Handling

Information for safe handling Keep away from children
Avoid release to the environment.

Information about protection against explosions and fires No special measures required.

Storage

Requirements to be met by storerooms and containers Temperatures between +0 and +80, dry, clean

Information about storage in one common storage facility Not required.

Further information about storage conditions None.

8 Exposure controls and personal protection

Additional information about design of technical systems Please take care on national and local requirements.

Components with critical values that require monitoring at the workplace The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information Based on information valid at the time of writing.

Personal protective equipment

General protective and hygienic measures Do not eat or drink while working.
Wash hands during breaks and at the end of the work.
Instantly remove any soiled and impregnated garments.
Avoid close or long term contact with the skin.

Breathing equipment Not required.

Protection of hands Protective gloves.
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Material of gloves The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove Material The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection Not required.

Body protection Protective work clothing.

9 Physical and chemical properties:

General Information

Form	Granules defined sizes
Colour	According to product specification White/grey
Smell	None
Value/Range Unit	
Method	
Change in condition	
Melting point/Melting range	Not determined
Boiling point/Boiling range	Not determined
Flash point	Not applicable
Self-inflammability	Product is not selfigniting.
Danger of explosion	Product is not explosive.
Density	At 20 ° C 0,80-0,90 g/cm3
Solubility in / Miscibility with Water	Unsoluble
Solvent content	
Organic solvents	0.0 %
Solids content	100.0 %

10 Stability and reactivity

Thermal decomposition / conditions to be avoided	No decomposition if used according to specifications.
Dangerous reactions	No dangerous reactions known
Dangerous products of decomposition	By fire Carbonmonoxide and carbondioxide

11 Toxicological information

Ecotoxicity	Not dangerous for environment. Contamination of the aquatic environment should be avoided.
Primary irritant effect on the skin	No irritant effect
on the eye	No irritant effect
Sensitization	No sensitizing effect known

12 Ecological information:

Ecotoxical effects:	
Remark	Not harmful to fish
General notes	Not dangerous for environment. Contamination of the aquatic environment should be avoided.



13 Disposal considerations

Product:

Recommendation

Disposal should be in accordance with local, state or national legislation. This product normally causes no problems in sewage treatment Works , where it settles with the sewage sludge. This product is not classified as hazardous waste under EEC Directive 91/689/EEC. This product is not classified as special waste under the UK Special Waste Regulations 1996. May be disposed of by landfill in accordance with local regulations.

Disposal must be made according to official regulations

14 Transport information

**Land transport ADR/RID and
GGVS/GGVE (cross-border/
domestic) ADR/RID-GGVS
/E Class**

Not regulated.

**Maritime transport IMDG/
GGVSea IMDG/GGVSea Class
Marine pollutant**

Not regulated.
No

**Air transport ICAO-TI and
IATA-DGR:
ICAO/IATA Class**

Not regulated.

15 Regulatory information

**Designation according to
EC guidelines**

Risk phrases

Not classified as Dangerous for Supply/Use 52/53 Not Harmful to aquatic organisms, does not cause long-term adverse effects in the aquatic environment.

Safety phrases

Avoid release to the environment. Refer to special instructions/safety data sheets.

**Special designation of certain
Preparations**

No chemicals which may produce an allergic reaction.

National regulations

Water hazard class

Not hazardous for water.



16 Other information:

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

The information provided about the product on this Safety Sheet has been compiled from knowledge of the individual constituent.

The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications - usage in such may cause risks not mentioned in this sheet. Do not use for other application(s) without seeking advice from manufacturer.

Full text of risk phrases referred to in section 2.

51/53 Not toxic to aquatic organisms, doesn't cause long-term adverse effects in the aquatic environment.

**Department issuing data specification sheet
Contact**

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