

SAFETY DATA SHEET

According to the Global Harmonized System

Molecular sieve 4 A

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

Synonyms: Z4-01; Z4-04; 4A-8BL; 4A-8KM; 4A-9KM-15; Z002179

Use of the substance /

Preparation: Adsorbent

Desiccant

REACH Nr.: 01 – 2119429034-49-0012

Company undertaking/ TROPACK Packmittel GmbH

Identification: Vor dem Polstück 8

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Revision date: 15.08.2011

Version: GHS 3

2. Hazards identification:

No dangerous ingredients according to Regulation (EC) No. 1272/2008. The activated product evolves much heat on contact with water.

3. Composition/information on ingredients

Chemical characterization Zeolite, crystalline, synthetic, non fibrous

Components		Health hazards	CAS	REACH No.
Zeolite	75% - 90		1318-02-1	01-2119429034-49-
	%			0012
Clay binder				
Quartz	0.1% - 1 %		14808-60-7	



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4. First aid measures

Inhalation No special measures required.

Skin contact Wash with water and soap as a precaution

Eye contact Rinse thoroughly with plenty of water, also under the eyelids.

If eye irritation persists, consult a specialist.

Ingestion Clean mouth with water and drink afterwards plenty of water.

5. Fire-fighting measures

Suitable extinguishing media No special measures required.

Special protective equipment for

firefighters

Standard procedure for chemical fires.

Specific methods No special measures required.

6. Accidental release measures

Personal precautions No special measures required.

Environmental precautionsNo special environmental precautions required.

Methods for cleaning up

Use mechanical handling equipment. After cleaning

flush away traces with water.

7. Handling and Storage

Handling Take precautionary measures against static

discharges.

Storage Store at room temperature in the original container.



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8. Exposure controls / personal protection

Exposure limit(s) Total dust

Permissible exposure limit: 10 mg/m³.

Alveolar dust fraction

Permissible exposure limit: 3mg/m³.

Occupational exposure controls

General industrial hygiene practice

Personal protection equipment

Respiratory protection No special protective equipment required.

Hand protection DRY moleskin gloves.

Eye protection Avoid contact with eyes

9. Physical and chemical properties

Form Pellets.

Colour Beige.

Odorless.

Physical und chemical pH: 9 - 11.5 (5% solution) **properties** Water solubility: insoluble

Fat solubility: insoluble Bulk density 500 – 900 kg/m³

10. Stability and reactivity

Stability No decomposition if used as directed.

Materials to avoid The activated product evolves much heat on contact

with water.

Hazardous decomposition productsNone under normal use.

11. Toxicological information

Acute toxicity Zeolite (CAS 1318-02-1)

LD50/oral/rat > 10000 mg/kg. LD50/dermal/rabbit > 2000 mg/kg. LC50/inhalation/rat > 15 mg/l.

Local effects Contact with eyes may cause irritation.



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Long term toxicity Negligible.

Sensitization None.

Human experience This product has no known adverse effect on

human health

12. Ecological information

Ecotoxicity Zeolite (CAS 1318-02-1)

EC50/48h/daphnia > 1000 mg/l. LC50/96h/fish > 1800 mg/l.

Bioaccumulative potentialDoes not bioaccumulate.

13. Disposal considerations

Waste from residues /unused products Dispose of in accordance with local regulations.

Contaminated packaging Offer rinsed packaging material to local recycling

facilities.

14. Transport information

Further information Not classified as dangerous in the meaning of

transport regulations.

15. Regulatory information

Text of H phrases mentioned in

Section 3

GHS Product identifier Zeolite, CAS-Nr. 1318-02-1,

REACH Nr. 01-2119429034-49-0012 Clay binder

Quartz, CAS-Nr. 14808-60-7

Regulatory information In accordance with Regulation (EC) No. 1272/2008

(GHS/CLP), the product does not need to be classified

nor labelled.

In accordance with Directive 1999/45/EC, the product

does not need to be classified nor labelled.

16. Other information

Recommended use Adsorbent

Further information Modifications in the following chapters since the last



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	version: 2.3
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