

Safety data sheet according to regulation
(EC) No 1907/2006 and (EC) No 1272/2008



Trade name: Carto
Created on: 01.03.2010
Issue date: 01.06.2015
Version: V2.1
Replaces former version: V2.0

Revision datet: 20.09.2017
File name: Carto_en_SDB

1. Designation of Material/Preparation/ and Company

Trade-name : Carto

REACH registration number: none

Product Information: Thermal insulation of industrial equipment

Manufacturer/Supplier :

Techno-Physik Engineering GmbH

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2. Composition: Information on Constituents

Chemical Characterisation:

Amorphous soluble synthetic mineral fibre

CAS No. 287922-11-6; EC No. 608-250-8

3. Potential Hazards

3.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 The substance is not classified according to the CLP regulation since it is an article.

3.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

3.3 Other hazards Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable.

4. First-aid Precautions

4.1 after skin contact

Wash the affected areas of skin with water and mild soap.
Do not use any other cleansing agents.

4.2 after contact with the eyes Rinse the eyes with water.

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5. Fire-fighting Precautions

Use an extinguisher appropriate to the environment.

6. Action on accidental Release into the Atmosphere

- 6.1 Personal precautions See Point 8 - personal protective clothing for high dust concentrations
- 6.2. Environmental precautions and decontamination Collect the product residues mechanically and fill into closed containers; Avoid creating dust. For collecting dust from the product use a vacuum cleaner or clean up with a damp cloth.
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7. Handling and Storage

- 7.1. Handling Avoid the creation and deposition of dust
- 7.2. Storage Store in a dry place. Avoid damage to the packaging.
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8. Exposure Control and personal protective Clothing and Equipment

- 8.1. Additional instructions for the construction of technical plants Use technical protective measures (e.g. dust exhaustion) to keep dust to a minimum

8.2. Constituents with limits affecting the workplace which require monitoring:

<u>Designation</u>	<u>Limit</u>	<u>Nature of limit</u>
Synthetic mineral fibres	500,000 fibres/m ₃	TRK
General dust limit	6 mg/m ³	MAK

8.3 Personal Protective Clothing

- Respiratory protection Where the limits have been exceeded (see Point 8.2.) breathing apparatus with a particle filter corresponding to DIN 1381-P2 must be worn. It is recommended that these masks should be worn also at lower fibre concentrations.
- Skin protection The use of protective gloves is recommended.
- Eye protection Use protective goggles with side protection. Do not wear contact lenses.
- Body protection Wear loose-fitting, long-sleeved, working clothes (disposable protective suits are recommended), headress is recommended for overhead work.
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9. Physical and chemical Properties

9.1. Appearance: Form : mat
Colour : white-beige
Smell : odourless

9.2 Data of relevance for safety pH-value:
Flash-point/flammability: non-flammable
Melting point: >1200°C
Explosive limits: -
Vapour pressure: -
Density: 900 kg/m³

10. Stability and Reactivity

n.a.

11. Toxicological Data

Bio-stability tests of the synthetic mineral fibres employed produced the following results:

Half-life on inhalation < 10 days
Half-life after intratracheal instillation < 65 days

12. Ecological Data

The, mostly mineral, constituents of these products are inert and stable.

Hydrolytic Class III

13. Instructions for Disposal

These products contain no hazardous substances in the sense of the Dangerous Substances Directive and may be disposed of in an appropriate disposal site in keeping with official and local regulations. Residues and waste not subjected to thermal effects will be taken back by the manufacturer.

EEC-Code for waste glass: 101103

14. Shipping Data

These products do not present any shipping hazard.
Protect products from damp during shipment. Avoid the creation of dust.

15. Regulations

These products are not subject to labelling regulations as they contain no hazardous substances in the sense of the Hazardous Substances Directive or the corresponding EU directives.

European Regulations:

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Directive 97/69/EC

German Regulations:

TRGS 521 - Fibre Dusts

TRGS 900 - Ambient Air Limits at the Workplace

TRGS 905 - Index of Substances which cause Cancer, genetic Changes and Hazards to Reproduction

Third Decree amending the Hazardous Substances Directive of 12.6.1998 (BG bl.1, S.1286)

16. Miscellaneous Data

The data contained in this safety data sheet are based on the present state of knowledge and experience. The safety data sheet describes products from the viewpoint of safety requirements. The data have no significance as assurances regarding their properties.
