

MATERIAL SAFETY DATA SHEET

belCoTex® FIBERS AND PRODUCTS



1. Product / company identification

Trade name: belCoTex® - fibers and products (all types)
Synonyms: Silex® fiber
Information about producer / supplier: belChem fiber materials GmbH
Industriegebiet Muldenhütten
D - 09599 Freiberg, GERMANY
Telephone: +49 (0) 3731 2034 - 0
Fax: +49 (0) 3731 2034 - 79
E-Mail: welcome@belchem.de

2. Composition / information about components

Chemical composition: SiO₂ (wt.-%): 94 - 97 %
Al₂O₃ (wt.-%) 3 - 6 %
Other (wt.-%) < 1 %
Production process: ACFR – technology (Silex®)
Components: textile staple fibers with an average diameter from 7.5 to 9 µm based on silicic acid anhydride
CAS number: 1343-98-2 (SiO₂ nH₂O)
1344-28-1 (Al₂O₃)

3. Possible hazard

none

4. First aid measures

After breathing: First aid steps are not necessary at regular handling (see also paragraph 7)
After skin contact: none
After eye contact: none
After swallowing: none

5. Fire protection measures

Suitable fire fighting means: belCoTex® is not flammable.
no restrictions by belCoTex®
Unsuitable fire fighting means: no restrictions by belCoTex®
Special hazard: none
Special protection outfit: none

6. Measures after unintentional exposure

Precautions for personnel: none
Precautions for environment: none

MATERIAL SAFETY DATA SHEET

belCoTex® FIBERS AND PRODUCTS



Waste: Refer to local waste regulations

7. Handling and storage

Handling: strong mechanical stress may cause dust

Storage: no restrictions by belCoTex®

8. Limits for exposure and personally protection equipment

Breathing protection: none

Eye protection: none

Hand protection: none

Body protection: none

Protection and hygienic steps: Before breaks and after end of work wash hands and use lotion if skin is sensitive.

Additionally information: If necessary, use dust collector system and vacuum-clean locally.

AGW alveolar dust fraction: 3 mg/m³

Additionally information: belCoTex® is not classified neither according to European Council Directives 97/69/EC, 67/548/EEC nor German TRGS 905

9. Physical and chemical properties

Appearance

Shape: solid

Color: white

Smell: none

Safety related data

pH: not applicable

Solubility in water: none

Solubility in other: insoluble except in hydrogen fluoride or strong alkalis

Melting range: > 1500°C

Flashpoint: not flammable at all

Limits of exposure: none

Vapor pressure: not applicable

Density of single fiber: 2.1 g/cm³

10. Stability and Reactivity

Conditions to avoid: none

MATERIAL SAFETY DATA SHEET

belCoTex® FIBERS AND PRODUCTS



Do not combine with: none
Dangerous decomposition products: none

11. Toxicological information

No instructions necessary;
belCoTex® products do not contain any WHO fibers and are considered non-respirable and as a result environmentally friendly and non-hazardous.

12. Ecological information

No harmful effects known

13. Disposal considerations

Classification of waste: Preferably for glass waste
Duty of listing: none

14. Transport information

GGV see IMDG-Code: not applicable
GGVE / GGVS: not applicable
UN-Nr.: not applicable
ICAO / IATA-DGR: not applicable
ADNR: not applicable
RID / ADR: not applicable

15. Regulatory information

belCoTex® is not classified
neither according to European Council Directives 97/69/EC, 67/548/EEC nor German TRGS 905

16. Other instructions

This data sheet was prepared in accordance with EU Directive 2001/58/EC