Safety data sheet
according to Regulation (EC) No 1907/2006, Annex II

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier
LEO coated Glass Fabric

1.2 Relevant identified uses of the substance or mixture and uses advised against
Relevant identified uses of the substance or mixture:
Fire protection
Uses advised against:
No information available at present.

1.3 Details of the supplier of the safety data sheet
SAERTEX GmbH & Co. KG, Brochterbecker Damm 52, 48369 Saerbeck, Germany
Phone:+49 (0) 2574 902 0, Fax:+49 (0) 2574 902 9
info@saertex.com, www.saertex.com
Qualified person's e-mail address: info@chemical-check.de, k.schnurbusch@chemical-check.de Please DO NOT use for requesting Safety Data Sheets.

1.4 Emergency telephone number
Emergency information services / official advisory body:
---
Telephone number of the company in case of emergencies:
+49 (0) 700 / 24 112 112 (SAR)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) 1272/2008 (CLP)
This is an article.

2.2 Label elements
Labeling according to Regulation (EC) 1272/2008 (CLP)
This is an article.

2.3 Other hazards
The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).
The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

SECTION 3: Composition/information on ingredients

3.1 Substance
3.2 Mixture

---

Registration number (REACH)  
Index  
EINECS, ELINCS, NLP  
CAS  
Content %  
Classification according to Regulation (EC) 1272/2008 (CLP)

SECTION 4: First aid measures

4.1 Description of first aid measures
First-aiders should ensure they are protected!
Never pour anything into the mouth of an unconscious person!

Ihalation
Not required.

Skin contact
Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

Eye contact
Remove contact lenses.
Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

Ingestion
Rinse the mouth thoroughly with water.
Give copious water to drink - consult doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed
If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1.
In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.

4.3 Indication of any immediate medical attention and special treatment needed
Symptomatic treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing media
Adapt to the nature and extent of fire.
Water jet spray/foam/CO2/dry extinguisher

Unsuitable extinguishing media
None known

5.2 Special hazards arising from the substance or mixture
In case of fire the following can develop:
Oxides of carbon
Oxides of phosphorus
Toxic gases

5.3 Advice for firefighters
In case of fire and/or explosion do not breathe fumes.
Protective respirator with independent air supply.
Dispose of contaminated extinction water according to official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
No special measures required.

6.2 Environmental precautions
Prevent from entering drainage system.

6.3 Methods and material for containment and cleaning up
Pick up mechanically and dispose of according to Section 13.

6.4 Reference to other sections
For personal protective equipment see Section 8 and for disposal instructions see Section 13.

SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

7.1 Precautions for safe handling
7.1.1 General recommendations
Avoid contact with eyes.
Avoid long lasting or intensive contact with skin.
Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.
Observe directions on label and instructions for use.

7.1.2 Notes on general hygiene measures at the workplace
General hygiene measures for the handling of chemicals are applicable.
Wash hands before breaks and at end of work.
Keep away from food, drink and animal feedingstuffs.
Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

7.2 Conditions for safe storage, including any incompatibilities
Not to be stored in gangways or stair wells.
Store product closed and only in original packing.
Store at room temperature.
Store in a dry place.

7.3 Specific end use(s)
No information available at present.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Fiber dust, inorganic</th>
<th>Content %</th>
</tr>
</thead>
<tbody>
<tr>
<td>WEL-TWA: 2 fibres/ml, 5 mg/m³ (l:d = 3:1, &lt; 6µm) (MMMF)</td>
<td>WEL-STEI: ---</td>
<td>---</td>
</tr>
<tr>
<td>BMGV: ---</td>
<td>Other information: ---</td>
<td></td>
</tr>
</tbody>
</table>

WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany).
** = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.

8.2 Exposure controls
8.2.1 Appropriate engineering controls
Ensure good ventilation. This can be achieved by local suction or general air extraction.
If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.
8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable. Wash hands before breaks and at end of work. Keep away from food, drink and animal feedingstuffs. Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection:
With danger of contact with eyes.
Tight fitting protective goggles with side protection (EN 166).

Skin protection - Hand protection:
Protective gloves (EN 374).
If applicable
Rubber gloves (EN 374).
Safety gloves made of butyl (EN 374)
Protective Neoprene® / polychloroprene gloves (EN 374).
Protective nitrile gloves (EN 374)
Minimum layer thickness in mm:
0,5
Permeation time (penetration time) in minutes:
480
Protective hand cream recommended.
The breakthrough times determined in accordance with EN 374 Part 3 were not obtained under practical conditions. The recommended maximum wearing time is 50% of breakthrough time.

Skin protection - Other:
Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments).

Respiratory protection:
Normally not necessary.

Additional information on hand protection - No tests have been performed.
In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents. Selection of materials derived from glove manufacturer's indications.
Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account. Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.
In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use. The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

8.2.3 Environmental exposure controls
No information available at present.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties
Physical state: Solid
Colour: According to specification
Odour: Odourless
Odour threshold: Not determined
pH-value: n.a.
Melting point/freezing point: Not determined
Initial boiling point and boiling range: Not determined
Flash point: n.a.
Evaporation rate: Not determined
Flammability (solid, gas): Not determined
Lower explosive limit: n.a.
Upper explosive limit: n.a.
Vapour pressure: n.a.
Vapour density (air = 1): n.a.
Density: Not determined
Bulk density: Not determined
Solubility(ies): Not determined
Water solubility: Insoluble
Partition coefficient (n-octanol/water): Not determined
Auto-ignition temperature: Not determined
Decomposition temperature: >150 °C
Viscosity: n.a.
Explosive properties: Product is not explosive.
Oxidising properties: No

9.2 Other information
Miscibility: Not determined
Fat solubility / solvent: Not determined
Conductivity: Not determined
Surface tension: Not determined
Solvents content: Not determined

SECTION 10: Stability and reactivity

10.1 Reactivity
Not to be expected

10.2 Chemical stability
Stable with proper storage and handling.

10.3 Possibility of hazardous reactions
No dangerous reactions are known.

10.4 Conditions to avoid
None known

10.5 Incompatible materials
None known

10.6 Hazardous decomposition products
No decomposition when used as directed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects
Possibly more information on health effects, see Section 2.1 (classification).

<table>
<thead>
<tr>
<th>Toxicity / effect</th>
<th>Endpoint</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity, by dermal route:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>n.d.a.</td>
<td></td>
</tr>
<tr>
<td>Acute toxicity, by inhalation:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>n.d.a.</td>
<td></td>
</tr>
<tr>
<td>Skin corrosion/irritation:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>n.d.a.</td>
<td></td>
</tr>
</tbody>
</table>
Fiber dust, inorganic

<table>
<thead>
<tr>
<th>Toxicity / effect</th>
<th>Endpoint</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Symptoms</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>mucous membrane irritation</td>
</tr>
</tbody>
</table>

**SECTION 12: Ecological information**

Possibly more information on environmental effects, see Section 2.1 (classification).

<table>
<thead>
<tr>
<th>LEO coated Glass Fabric</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxicity / effect</td>
</tr>
<tr>
<td>12.5. Results of PBT and vPvB assessment</td>
</tr>
<tr>
<td>12.6. Other adverse effects:</td>
</tr>
</tbody>
</table>

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

For the substance / mixture / residual amounts

EC disposal code no.:
The waste codes are recommendations based on the scheduled use of this product.
Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2014/955/EU)

10 11 03 waste glass-based fibrous materials

Recommendation:
Sewage disposal shall be discouraged.
Pay attention to local and national official regulations.
E.g. suitable incineration plant.
E.g. dispose at suitable refuse site.

For contaminated packing material
SECTION 14: Transport information

General statements
14.1. UN number: n.a.

Transport by road/by rail (ADR/RID)
14.2. UN proper shipping name: n.a.
14.3. Transport hazard class(es): n.a.
14.4. Packing group: n.a.
Classification code: n.a.
Hazard identification number: n.a.
LQ: n.a.
14.5. Environmental hazards: Not applicable

Tunnel restriction code:

Transport by sea (IMDG-code)
14.2. UN proper shipping name: n.a.
14.3. Transport hazard class(es): n.a.
14.4. Packing group: n.a.
Marine Pollutant: n.a.
14.5. Environmental hazards: Not applicable

Transport by air (IATA)
14.2. UN proper shipping name: n.a.
14.3. Transport hazard class(es): n.a.
14.4. Packing group: n.a.
14.5. Environmental hazards: Not applicable

14.6. Special precautions for user
Unless specified otherwise, general measures for safe transport must be followed.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code
Non-dangerous material according to Transport Regulations.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Observe restrictions:
General hygiene measures for the handling of chemicals are applicable.

15.2 Chemical safety assessment
A chemical safety assessment is not provided for mixtures.

SECTION 16: Other information

Revised sections: n.a.

Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):
Not applicable

The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3).
## Any abbreviations and acronyms used in this document:

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC</td>
<td>Article Categories</td>
</tr>
<tr>
<td>acc., acc. to</td>
<td>according, according to</td>
</tr>
<tr>
<td>ACGIH</td>
<td>American Conference of Governmental Industrial Hygienists</td>
</tr>
<tr>
<td>ADR</td>
<td>Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)</td>
</tr>
<tr>
<td>AOEL</td>
<td>Acceptable Operator Exposure Level</td>
</tr>
<tr>
<td>AOX</td>
<td>Adsorbable organic halogen compounds</td>
</tr>
<tr>
<td>approx.</td>
<td>approximately</td>
</tr>
<tr>
<td>Art., Art. no.</td>
<td>Article number</td>
</tr>
<tr>
<td>ATE</td>
<td>Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP)</td>
</tr>
<tr>
<td>BAM</td>
<td>Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany)</td>
</tr>
<tr>
<td>BAAU</td>
<td>Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany)</td>
</tr>
<tr>
<td>BCF</td>
<td>Bioconcentration factor</td>
</tr>
<tr>
<td>BGV</td>
<td>Berufsgenossenschaftliche Vorschrift (= Accident Prevention Regulation)</td>
</tr>
<tr>
<td>BHT</td>
<td>Butylhydroxytoluol (= 2,6-Di-t-butyl-4-methyl-phenol)</td>
</tr>
<tr>
<td>BMGV</td>
<td>Biological monitoring guidance value (EH40, UK)</td>
</tr>
<tr>
<td>BOD</td>
<td>Biochemical oxygen demand</td>
</tr>
<tr>
<td>BSEF</td>
<td>Bromine Science and Environmental Forum</td>
</tr>
<tr>
<td>bw</td>
<td>body weight</td>
</tr>
<tr>
<td>CAS</td>
<td>Chemical Abstracts Service</td>
</tr>
<tr>
<td>CEC</td>
<td>Coordinating European Council for the Development of Performance Tests for Fuels, Lubricants and Other Fluids</td>
</tr>
<tr>
<td>CESIO</td>
<td>Comité Européen des Agents de Surface et de leurs Intermédiaires Organiques</td>
</tr>
<tr>
<td>CIPAC</td>
<td>Collaborative International Pesticides Analytical Council</td>
</tr>
<tr>
<td>CLP</td>
<td>Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures)</td>
</tr>
<tr>
<td>CMR</td>
<td>carcinogenic, mutagenic, reproductive toxic</td>
</tr>
<tr>
<td>COD</td>
<td>Chemical oxygen demand</td>
</tr>
<tr>
<td>CTFA</td>
<td>Cosmetic, Toiletry, and Fragrance Association</td>
</tr>
<tr>
<td>DMEL</td>
<td>Derived Minimum Effect Level</td>
</tr>
<tr>
<td>DNEL</td>
<td>Derived No Effect Level</td>
</tr>
<tr>
<td>DOC</td>
<td>Dissolved organic carbon</td>
</tr>
<tr>
<td>DT50</td>
<td>Dwell Time - 50% reduction of start concentration</td>
</tr>
<tr>
<td>DVS</td>
<td>Deutscher Verband für Schweißen und verwandte Verfahren e.V. (= German Association for Welding and Allied Processes)</td>
</tr>
<tr>
<td>dw</td>
<td>dry weight</td>
</tr>
<tr>
<td>e.g.</td>
<td>for example (abbreviation of Latin 'exempli gratia'), for instance</td>
</tr>
<tr>
<td>EC</td>
<td>European Community</td>
</tr>
<tr>
<td>ECHA</td>
<td>European Chemicals Agency</td>
</tr>
<tr>
<td>EEA</td>
<td>European Economic Area</td>
</tr>
<tr>
<td>EEC</td>
<td>European Economic Community</td>
</tr>
<tr>
<td>EINECS</td>
<td>European Inventory of Existing Commercial Chemical Substances</td>
</tr>
<tr>
<td>ELINCS</td>
<td>European List of Notified Chemical Substances</td>
</tr>
<tr>
<td>EN</td>
<td>European Norms</td>
</tr>
<tr>
<td>EPA</td>
<td>United States Environmental Protection Agency (United States of America)</td>
</tr>
<tr>
<td>ERC</td>
<td>Environmental Release Categories</td>
</tr>
<tr>
<td>ES</td>
<td>Exposure scenario</td>
</tr>
<tr>
<td>etc.</td>
<td>et cetera</td>
</tr>
<tr>
<td>EU</td>
<td>European Union</td>
</tr>
<tr>
<td>EWC</td>
<td>European Waste Catalogue</td>
</tr>
<tr>
<td>Fax.</td>
<td>Fax number</td>
</tr>
<tr>
<td>gen.</td>
<td>general</td>
</tr>
<tr>
<td>GHS</td>
<td>Globally Harmonized System of Classification and Labelling of Chemicals</td>
</tr>
<tr>
<td>GWP</td>
<td>Global warming potential</td>
</tr>
<tr>
<td>HET-CAM</td>
<td>Hen's Egg Test - Chorionallantoic Membrane</td>
</tr>
<tr>
<td>HGWP</td>
<td>Halocarbon Global Warming Potential</td>
</tr>
</tbody>
</table>
WHO  World Health Organization

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.

No responsibility.

These statements were made by:
Chemical Check GmbH, Chemical Check Platz 1-7, D-32839 Steinheim, Tel.: +49 5233 94 17 0, Fax: +49 5233 94 17 90

© by Chemical Check GmbH Gefahrstoffberatung. The copying or changing of this document is forbidden except with consent of the Chemical Check GmbH Gefahrstoffberatung.