

**EU safety data sheet according to (EG) Nr. 1907/2006****Product name:** Aerogel Insulation Felt**Current version:** 1.0.0, issued: 22.02.2023 **Replaced version:** -, issued: -**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Product name:** AG-F650 Aerogel Insulation Felt and AG-F950 Aerogel Insulation Felt**1.2 Details of the supplier of the safety data sheet**

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**1.3 Emergency telephone number****GERMANY:** CHEMTREC 0800-181-7059**SECTION 2: composition of the substance or mixture**

Substance	CAS No.	weight-%
Synthetic Amorphous Silica	7631-86-9	35-55%
Fibrous Glass (textile grade)	Not Applicable	40-60%
Titanium dioxide	1317-80-2	3-10%
Aluminum Trihydrate	21645-51-2	0-10%

**SECTION 3: Hazard statements****Physical:** Not Hazardous**Health:** Not Hazardous

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**SECTION 4: First aid measures**

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<b>Skin Contact:</b>	Wash skin with soap and water. If irritation develops, get medical attention, launder clothing before reuse.
<b>Eye contact:</b>	Do not rub eyes. Dust particles may cause abrasive injury. Immediately flush eyes with water while lifting the upper and lower lids. Seek medical attention if irritation persists.
<b>Inhalation:</b>	If dust is inhaled, remove to fresh air. Drink water to clear throat, and blow nose. If irritation occurs or symptoms develop, seek medical attention.
<b>Ingestion:</b>	No first aid is generally required. No adverse effects are expected from incidental ingestion.

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**SECTION 5: Fire-fighting measures**

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<b>Fire Hazard:</b>	The product itself does not burn, fire-proof.
<b>Extinguishing Media:</b>	Use any media that is suitable for the surrounding fire.

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**SECTION 6: Accidental release measures**

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<b>Personal Precautions:</b>	See also section 8.
<b>Environmental Precautions:</b>	Wear personal protective equipment. Avoid generating airborne dust during cleanup. Ensure adequate ventilation.
<b>Methods for cleaning up:</b>	It is an environmentally friendly product. Material is not water soluble. Pick up or vacuum up and collect in suitable container for disposal. Avoid dust formation.

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**SECTION 7: Handling and storage**

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<b>Handling:</b>	Wash hands with soap and water after handling. Dust generated when handling this product should be cleaned up promptly. Dry vacuuming is the preferred method for cleaning up dust. Wasted material should be promptly packed in disposal bags. Avoid dust contact with eyes, skin and clothing and avoid breathing dust.
<b>Storage:</b>	Keep in a dry place. Keep the material packed before use.

**SECTION 8: Exposure controls/personal protection**

<b>Respiratory Protection:</b>	Wear masks. Ensure adequate ventilation.
<b>Eye Protection:</b>	Safety glasses to prevent dust.
<b>Skin Protection:</b>	Impervious gloves recommended for handling product. Long-sleeved and long-legged work clothing are also advised.
<b>Hygiene Measures:</b>	Wash hands and face immediately after handling the product.

**SECTION 9: Physical and chemical properties****Appearance**

Form	Fabric felt
Color	White, other colors can be discussed

**Materials Data**

Solubility in Water	Insoluble
Fat solubility	Insoluble
Density	AG-F650 Grade S 160 kg cm <sup>-3</sup> AG-F650 Grade A 180 kg cm <sup>-3</sup> AG-F950 Grade A 200 kg cm <sup>-3</sup>
pH	Not applicable
Odor	Slight ammonia
Melting Point	Not applicable
Boiling Point	Not applicable
Evaporation rate	Not applicable
Vapor density	Not applicable
Vapor Pressure	Not applicable
Flammability	Not flammable
Flash Point	Not applicable
Explosive properties	Not applicable
Autoignition temperature	Not applicable
Oxidizing properties	Not applicable
Decomposition Temperature	Not known

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**SECTION 10: Stability and reactivity**

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<b>Chemical Stability:</b>	Stable under recommended handling and storage conditions.
<b>Conditions to Avoid:</b>	Keep away from heat and sources of ignition. Avoid dust formation. Heating above 250°C leads to decomposition of Aerogel surface treatment. Decomposition vapor should be ventilated. May release formaldehyde when heated to high temperatures in the presence of air.
<b>Hazardous Decomposition Products:</b>	Carbon monoxide (CO), Carbon dioxide (CO <sub>2</sub> ), Formaldehyde, organic products of decomposition

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**SECTION 11: Toxicological information**

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<b>Acute Toxicity inhalation:</b>	Inhalation of dust may cause temporary irritation of the mucous membranes and upper respiratory tract.
<b>Skin contact:</b>	May cause dryness and temporary irritation.
<b>Eye contact:</b>	May cause temporary irritation.
<b>Ingestion:</b>	No adverse effects are expected.
<b>Chronic toxicity:</b>	Not known
<b>Sensitization:</b>	Not known

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**SECTION 12: Ecological information**

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<b>Bioaccumulation:</b>	No data is available on the product itself.
<b>Ecotoxicity effects:</b>	not hazardous
<b>Mobility:</b>	Insoluble
<b>Persistence and degradability:</b>	No data is available on the product itself.

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**SECTION 13: Disposal considerations**

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<b>Contaminated packaging:</b>	Where possible recycling is preferred to disposal.
<b>Waste from residues / unused products:</b>	In accordance with local and national regulations. The product itself is inorganic, non-toxic, harmless and environment friendly.

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**SECTION 14: Transport information**

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<b>ADR/RID:</b>	Not classified as dangerous for conveyance in the meaning of the regulations for the transport of dangerous goods by road and rail.
<b>IMDG:</b>	Not classified as dangerous in the meaning of transport regulations.
<b>ICAO:</b>	Not classified as dangerous in the meaning of transport regulations.

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**SECTION 15: Regulatory information**

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<b>Labelling:</b>	Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.
<b>Symbol(s):</b>	None
<b>R-phrases(s):</b>	None
<b>S-phrases(s):</b>	None

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**SECTION 16: Other information**

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DISCLAIMER: The data given here are based on current knowledge and experience. The purpose of this safety data sheet is to describe the products in terms of their safety requirements. It should not therefore be construed as guaranteeing specific properties of the products or their suitability for a particular application. Zhou Global Sourcing GmbH takes no responsibility whatsoever for risks coming from variations in, or unknown effects of the qualities of feedstock stuff (alone or in combination) and for other applications of the product than what's prescribed.