

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date: 29.03.2022

Version No: 1.00

Revision: 29.03.2022

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

1.1 Product identifier

Aluminum Coated Basalt Fibre Product

Basalt fibre may be considered as a specific type of glass fibre with a particular composition of oxides, thus basalt fibre can be treated equivalent to glass fibre. Continuous glass fibre products are articles under EU regulation (REACH & CLP), US (OSHA 1910.1200) and Japanese Regulation and therefore, no SDS is legally required.

FibreCoat decides to continue to provide our customers SDS for assuring the safe handling and use of continuous glass fibre products. This SDS was revised in accordance with GHS.

Trade name: AluCoat®

1.2 Relevant identified uses of the substance or mixture and uses advised against

Application of the substance / the preparation: Raw material for different industry branches

Uses advised against: No further relevant information available.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

FibreCoat GmbH
Alexianergraben 9
52064 Aachen
North Rhine-Westphalia, Germany

Phone: +49 241 93688530

E-Mail: info@fibrecoat.de

1.4 Emergency telephone number:

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The product is not classified, according to the CLP regulation.

2.2 Label elements

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

Hazard pictograms Void

Signal word Void

Hazard statements Void

2.3 Other hazards

Contact with fibres can cause temporary irritation or itching to skin, eyes, nose or throat.

Results of PBT and vPvB assessment

PBT: Not determined.

vPvB: Not determined.

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date: 29.03.2022

Version No: 1.00

Revision: 29.03.2022

Trade name: AluCoat®

(Contd. of page 1)

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description:		
CAS: 65997-17-3 EC number: 266-046-0	Basalt continous fibre Basalt fiber may be considered as a specific type of glass fibre with particular composition of oxides, thus CAS number for basalt fibre is the same as for glass fibre: 65997-17-3 (Fiber glass wool, GLASS fibre; GLASS WOOL; LIME GLASS; fiberglass; fibreglass; GLASS BEADS; GLASS BALLS; Glass Fiber; GLASS POWDER).	> 50.0%
CAS: 7429-90-5 EC number: 231-072-3	Aluminum Aluminum and aluminum alloys are considered an "article" and not hazardous in its solid form.	< 49%
	Organic sizing The sizings are multicomponent chemical systems. They do not pose any hazards and risks for workers because under normal conditions they are not expected to release hazardous chemicals >0.1%.	< 1.0%

Dangerous components: Void**Additional information:** No ingredients are hazardous according to CLP criteria.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

No special measures required.

If symptoms persist consult doctor.

After inhalation:

Gargle with clean water about ten times. Also, blow your nose gently.

Seek medical treatment in case of complaints.

After skin contact:

Do not rub or scratch the affected areas. Rubbing or scratching may cause harsh itching or irritation.

Rinse with running water first and then wash with warm water and soap.

After eye contact:

Rinse opened eye for several minutes under running water.

Remove contact lenses, if present and easy to do. Continue rinsing.

After swallowing: Rinse mouth.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Use fire extinguishing methods suitable to surrounding conditions.

For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

In case of fire, the following can be released:

Carbon monoxide

Carbon dioxide

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

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Version No: 1.00

Revision: 29.03.2022

Trade name: AluCoat®

(Contd. of page 2)

5.3 Advice for firefighters**Protective equipment:** Wear self-contained respiratory protective device.**Additional information**

Aluminum coated basalt fibre itself is not combustible. But the binders or surface treating agents on aluminum coated basalt fibre are generally combustible and give off little hazardous by-products other than carbon monoxide, carbon dioxide and water on combustion.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures** Avoid formation of dust.**6.2 Environmental precautions:** No special measures required.**6.3 Methods and material for containment and cleaning up:**

Pick up mechanically.

Dispose of the material collected according to regulations.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

Prevent formation of dust.

Ensure good ventilation/exhaustion at the workplace.

Avoid contact with the eyes and skin.

Information about fire and explosion protection:

The product is readily charged with static electricity. Static electricity can damage electronic components and cause explosions and fires.

Protect against electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities**Storage:****Requirements to be met by storerooms and receptacles:** No special measures required.**Information about storage in one common storage facility:** Not required.**Further information about storage conditions:** None.**7.3 Specific end use(s)** No further relevant information available.**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:****CAS: 7429-90-5 Aluminum**

Aluminum and aluminum alloys are considered an "article" and not hazardous in its solid form.

OEL (Ireland)	Long-term value: 1* mg/m ³ *metal, respirable fraction
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8.2 Exposure controls**Individual protection measures, such as personal protective equipment****General protective and hygienic measures:**

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Use skin protection cream for skin protection.

Respiratory protection: Not necessary if room is well-ventilated.

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date: 29.03.2022

Version No: 1.00

Revision: 29.03.2022

Trade name: AluCoat®

(Contd. of page 3)

Hand protection

Protective gloves

Material of gloves

Leather gloves

Strong material gloves

Penetration time of glove material Not required.**Eye/face protection** Safety glasses**Body protection:** Protective work clothing

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties**General Information**

Physical state	Solid
Form:	Solid
Colour:	Silver-coloured
Odour:	Odourless
Odour threshold:	Not determined.
Melting point/freezing point:	660 - 1050 °C (aluminum and basalt)
Boiling point or initial boiling point and boiling range	Not applicable.
Flammability	Not determined.
Lower and upper explosion limit	
Lower:	Not applicable.
Upper:	Not applicable.
Flash point:	Not applicable.
Ignition temperature:	Not applicable.
Decomposition temperature:	Not determined.
pH	Not applicable.
Viscosity:	
Kinematic viscosity	Not applicable.
Dynamic:	Not applicable.
Solubility	
water:	Insoluble.
Partition coefficient n-octanol/water (log value)	Not applicable.
Vapour pressure:	Not applicable.
Density and/or relative density	
Density at 20 °C:	2.67 g/cm ³ (raw basalt)
Relative density	Not determined.
Vapour density	Not applicable.
Relative gas density	Not applicable.
Particle characteristics	See item 3.

9.2 Other information

Explosive properties:	Product does not present an explosion hazard.
Oxidising properties	No
Evaporation rate	Not applicable.

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.**10.2 Chemical stability** No decomposition if used and stored according to specifications.

(Contd. on page 5)

Safety data sheet

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Version No: 1.00

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(Contd. of page 4)

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions No dangerous reactions known.**10.4 Conditions to avoid** No further relevant information available.**10.5 Incompatible materials:** No further relevant information available.**10.6 Hazardous decomposition products:** No dangerous decomposition products known.**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity** Based on available data, the classification criteria are not met.**Skin corrosion/irritation** Based on available data, the classification criteria are not met.**Serious eye damage/irritation** Based on available data, the classification criteria are not met.**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.**Germ cell mutagenicity** Based on available data, the classification criteria are not met.**Carcinogenicity** Based on available data, the classification criteria are not met.**Reproductive toxicity** Based on available data, the classification criteria are not met.**STOT-single exposure** Based on available data, the classification criteria are not met.**STOT-repeated exposure** Based on available data, the classification criteria are not met.**Aspiration hazard** Based on available data, the classification criteria are not met.**Additional toxicological information:**

During cutting, milling or other processing of these products, particles may be generated that do not represent a health hazard if below the recommended exposure limits for particles not otherwise regulated (PNOR) (inhalable and respirable fraction). Temporary mechanical abrasion (itching) of skin, eyes and respiratory tract may occur upon exposure to fibers or dust during handling of this product and cannot occur unless there is direct contact. Abrasion effects should subside after cessation of exposure.

11.2 Information on other hazards**Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information**12.1 Toxicity****Aquatic toxicity:** Based on available data, the classification criteria are not met.**12.2 Persistence and degradability** No further relevant information available.**12.3 Bioaccumulative potential** No further relevant information available.**12.4 Mobility in soil** No further relevant information available.**12.5 Results of PBT and vPvB assessment** Not determined.**12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects No further relevant information available.**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Recommendation:** Must be specially treated adhering to official regulations.**Uncleaned packaging****Recommendation:** Disposal must be made according to official regulations.

(Contd. on page 6)

Safety data sheet

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Version No: 1.00

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Trade name: AluCoat®

(Contd. of page 5)

SECTION 14: Transport information

14.1 UN number or ID number ADR/RID/ADN, IMDG, IATA	Void
14.2 UN proper shipping name ADR/RID/ADN, IMDG, IATA	Void
14.3 Transport hazard class(es) ADR/RID/ADN, IMDG, IATA Class	Void
14.4 Packing group ADR/RID/ADN, IMDG, IATA	Void
14.5 Environmental hazards:	Not applicable.
14.6 Special precautions for user	Not applicable.
14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
Transport/Additional information:	Not dangerous according to the above specifications.
UN "Model Regulation":	Void

SECTION 15: Regulatory information

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

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Date of previous version: 29.03.2022

Abbreviations and acronyms:

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals

MARPOL: (from Marine Pollutant) International Convention for the Prevention of Marine Pollution from Ships

IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk

UN: United Nations (also UNO: United Nations Organization)

NOEC: No Observed Effect Concentration

OECD: Organisation for Economic Co-operation and Development

(Contd. on page 7)

Safety data sheet
according to 1907/2006/EC, Article 31

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Version No: 1.00

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Trade name: AluCoat®

(Contd. of page 6)

ASTM: American Society for Testing and Materials

WAF: Water Accommodated Fraction

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

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