

EFFISUS BREATHER FR UV

1. PRODUCT AND COMPANY IDENTIFICATION

Product trade name

Effisus Breather FR UV Membrane

Identified Use

Wall lining membrane

Company / Distributor

Up-Way Systems, Lda.
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2. HAZARDS IDENTIFICATION

2.1 Classification of substance or mixture: These materials are classed as a non-hazardous articles.

2.2 Label Elements: Not applicable

2.3 Other hazards: See section 3 (possible dangers)

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Description

Products made from continuous filament glass fibers with a diameter of 9 µm . The fabric could be treated with organic and inorganic binders. The fabric has a maximum finish content of 3%.

3.2 Mixtures

Ingredients	Fibrous Glass, E-glass	>85 %	CAS-No. 65997-17-3
	Cured binder Coating	> 9 % (wet)	CAS-No 75701-44-9

4. FIRST AID MEASURES

General comments: When handled correctly, first aid measures are not necessary. Please note the comment under points 7 and 8.

Inhalation

Move person to fresh air. Seek medical attention if irritation persists.

Eye contact

Flush eyes with running water. Seek medical attention if irritation persists.

Skin contact

Wash with mild soap and running water. To avoid further irritation, do not rub or scratch affected areas. Rubbing and scratching may force fibres into skin. Seek medical attention if irritation persists.

Ingestion

Ingestion of this material is unlikely. If it does occur, watch the person for several days to make sure that intestinal blockage does not occur.

5. FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media Water, Dry Powder, CO2, Foam

5.2 Unsuitable extinguishing media for safety reasons: no restrictions known

5.3 Particular dangers from the product, its combustion products, or gas liberated.

Products are not flammable, are incombustible and do not support combustion.

Only the binders are combustible and could release small quantities of hazardous gas in case of major and prolonged heat or fire.

Suitable extinguishing media

Water, dry chemical, foam and carbon dioxide (CO2)

5.4 Particular protective equipment when fighting fire: carry self-contained breathing apparatus

6. MEASURES IN CASE OF ACCIDENTAL RELEASE

Personal precaution's: Not applicable due to the finished nature of this product, see section 13 re waste disposal.

7. HANDLING AND STORAGE

7.1 Instructions and precautions for safe handling including technical protective measures: Severe mechanical loading of the fabrics or the aluminum foil can lead to the generation of dust and fly that may produce irritation. Contact with the skin may lead to local skin irritation. Should the situation arise, local extraction measures are advisable. See also point 8.

Information on fire and explosion protection none

7.2 Condition for safe storage

Requirements for storage rooms	dry
Non-compatible materials/restrictions on co-storage	none
Storage instructions	do not stack unsecured
Particular requirements for electrical plant and appliances	none

Measures to prevent build-up of static charge	none
Storage class	not applicable

7.3 Specific End uses
For Industrial insulation

8. EXPOSURE CONTROLS AND PERSONAL PROTECTIVE MEASURES

8.1 Control measures to limit and monitor exposure	not applicable
Additional information for the design of the technical plant	not applicable

8.2 Exposure controls

General Components with limit values/ classification which are specific to the place of work and have to be monitored (to TRGS900) in connection with point 7.1

General national limit value (Fine dust)

Additional information / measuring method

Our products do not contain fibres with a diameter below 9µm. They present therefore only a possible irritant in the form of fly.

8.3 Personal protective equipment

When the recommended measures (see point 7.1) are complied with, there is no need for personal protective equipment. General protection and hygiene measures:

Wash hands prior to breaks and at the end of the working day. Persons with sensitive skin should use a fat-based protective cream. Avoid close-fitting working clothes.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 State:	Solid
9.2 Flammability:	n.a
9.3 Flash point:	n.a
9.4 Ignition temperature:	n.a
9.5 Self-ignition:	n.a
9.6 Explosion danger:	n.a
9.7 Continuous filament glass fabric, coated with organic binder	
9.7.1 Fire propagation characteristics	n.a.
9.7.2 Vapour pressure	n.a.
9.7.3 Density (20 °C)	2.0-2.6 g/cm ³
9.7.4 Solubility in water	n.a.
9.7.5 Solubility in oil	n.a.
9.7.6 Dispersion coefficient in octanol/water	n.a.
9.8 Other Information	none

10. STABILITY AND REACTIVITY

10.1 Chemical Stability

Stable in normal use and storage conditions, and in normally foreseeable usage conditions.

10.2 Hazardous decomposition products

In continuous combustion conditions, in addition to water vapor and CO₂, small quantities of CO and NO_x may be released by the combustion of the size. See Section 5 of MSDS for hazardous decomposition products during a fire

10.3 Possibility of Hazardous Reactions

Glass yarn is stable and never generates hazardous chemical reactions.

In case of a fire, small quantities of decomposition products from the combustion of the finish. See section 5.

11. TOXICOLOGICAL INFORMATION

11.1 Acute toxicity

No acute toxicity data is available for this product, but an assessment of physio-chemical properties.

Acute Oral Toxicity measurement (ATE) ATE_{mix} (oral: > 2000 g/Kg)

11.2 Skin irritation. For this endpoint no toxicological test data is available for the whole product.

11.3 Respiratory sensitisation

Fibreglass continuous filament could be irritants. Breathing fibre glass dust and fibres may cause short-term irritation of the mouth, nose throat and skin.

11.4 Germ cell mutagenicity or Carcinogenic risk

European Commission Directive 97/69/EC, amendment to Directive 67/548/EEC which concerns classification, packing and labelling of hazardous substances does not include commercial glass fibres as having carcinogenic risk.

The continuous filament glass fibre contained in fabrics is "non-respirable". Products that are chopped, crushed or severely mechanically processed during manufacture or use may contain a very small amount of respirable glass fibre-like fragments. According to available exposure -monitoring data, the atmospheric loading in the workspace air of such fibre-like glass fragments is extremely low or not detectable.

Fibrous glass is not subject to the Ordinance on Hazardous Substances, shown in the German TRGS 900 and TRGS 905. ACGIH: A4 – not classifiable as a human carcinogen.

IARC: Group 3 – not classifiable with respect to human carcinogenicity.

Practical experiences When handled and used properly no effects deleterious to health are known.

11.5 Long term toxicity

There is no known chronic health effects connected with long-term use or contact with this product.

12. ECOLOGICAL INFORMATION

12.1 Toxicity Assessment No expected damaging effects to aquatic organisms

12.2 Persistence and biodegradability Biologically non degradable

E glass is not biodegradable. Finishes are organic materials which slowly and only partially dissolve by natural

agents like water.

As the concentration of the ingredients and their solubility are very low, our fabrics are considered to have no adverse eco- toxicological effects.

12.3 Mobility in soil Insoluble in water

12.4 Other adverse effects None are known and products do not contain heavy metals, PBB/PBDE or PCB.

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods Recommendation: The waste product code needs to be established with the responsible local authority.

Waste Product code No. (Preferably) EAK-No. 101103 Waste name Fibre Glass Material

Duty of proof no

13.2 Uncleansed packaging Remove fibre remnants from packaging and recycle according to packaging guidelines.

13.3 Glass fibres waste cannot be destroyed by incineration and can damage incinerators by the formation of a vitrified mass

14. TRANSPORT REGULATIONS

14.1 Road ADR, Railway RID, Transport by sea IMDG-code, Air transport ICAO-TI/IATA-DGR-For all these standards this product **is not regulated for transport**.

15. REGULATIONS

15.1 Regulatory information

Continuous filament glass fabrics do not require hazardous product labelling. They do not contain hazardous ingredients. Astextile glass fibre products are not dangerous goods, they do not need labelling with R – and S – Phrases.

15.2 Chemical safety assessment As a non-hazardous product Coated glass fabrics do not require labelling under **CLP Regulation (EC) 1272/2008**

16. OTHER INFORMATION

Recommendation: Protect the product from dampness. N.B.: The information provided describes matters relevant to safety to the best of our current knowledge. It neither constitutes quality characteristics nor absolves you from personal responsibility when handling Effisus fabrics and/or from observing legal regulations and conditions.

Version

V1.0 – PM 19/12/2022