

Safety Data Sheet
according with EN 91/155/EWG

EFFISUS BREATHER FR MEMBRANE

1. PRODUCT AND COMPANY INFORMATION

Product Trade Name

Effisus Breather FR Membrane

Product Use

Wall lining membrane

Company / Distributor

Up-Way Systems, Lda.
R. José Oliveira Mendes, nº44
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Emergency Phone Number

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2. COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Name	Weight, %	CAS N°	EC N°	Classification of the substance
Fibrous Glass	95 – 97	65997 – 17 – 3	266 – 046 – 0	H350i
Perfluoralkyl acrylic polymer dispersion	3 – 5	65605 – 70 - 1	689 – 782 - 8	Not classified

3. HAZARD IDENTIFICATION

This product is not classified as hazardous according to 999/45/EC and/or 67/548/EC.

4. FIRST AID MEASURES

General Advice

Consult a physician. Show this safety data sheet to the doctor in attendance

Inhalation

Does not have a negative impact.

Skin Contact

Does not have a negative impact.

Eye Contact

Flush eyes with water while holding the eyelids open as a precaution

Ingestion

Unlikely route exposure. Rinse the mouth with water; drink plenty of water

5. FIRE FIGHTING MEASURES

General fire hazards:	Non-combustible substance
Extinguishing media:	Use water, chemical foam, CO ₂ , dry chemicals.
Special fire fighting procedures:	Stew over the main source of ignition.
Hazardous decomposition products:	Nature of decomposition products not known.
Special protective equipment for firefighters	Wear self-contained breathing apparatus for firefighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

The use of personal protection measures is recommended – see Section 8 of MSDS.

Contact emergency services where appropriate. Use personal protective equipment. Clear area of all unprotected personnel, do not smoke.

Environmental precautions

Prevent an unorganized landfill of waste or products. Sealing packaging equipment.

Methods and material for containment and cleaning up

Collect products in a sealed dry container; send for recycling. Dispose of as non-hazardous waste

7. HANDLING AND STORAGE

General Precautions

Provide appropriate exhaust ventilation. Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact. Observe good personal hygiene. Including washing hands before eating. For precautions see section 2.2, 2.3.

Conditions for safe storage, including any incompatibilities

Does not require special storage conditions.

Specific end use(s)

None.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Ingredient	MPC of the working area (OSHA PEL)
Fibrous Glass	TWA 5 mg/m ³ (inhalation) TWA 15 mg/m ³ (total)
Perfluoroalkyl acrylic polymer dispersion	-

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Use safety glasses if necessary. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin protection

Handle with gloves from nitrile rubber with a thickness of at least 0.11mm. Gloves must be inspected prior to use. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection

Type of protective clothing must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Respiratory protection

Respiratory protection is not required. In emergency situations use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standard such as NIOSH (US) or CEN (EU).

Environmental controls

Not required.

Thermal Hazards

Not applicable

Hygiene measures

Wash hands after handling. Routinely wash work clothing and protective equipment to remove contaminants. Handle in accordance with good industrial hygiene and safety practices. Follow upon any medical surveillance

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Solid
Color:	Grey
Odour:	Odorless
PH:	Not applicable
Melting point/freezing point:	Not available
Initial boiling point and boiling range:	Not available
Flash point:	Not applicable
Evaporation rate:	Not applicable
Flammability (solid, gas):	Not applicable
Burning time:	Not applicable
Upper/lower flammability or explosive limits:	Not applicable
Vapour pressure:	Not available
Vapour density:	Not available
Density:	2.60
Solubility(ies):	Insoluble in water
Partition coefficient (n-octanol/water):	Not available
Self-ignition temperature:	Not applicable
Decomposition temperature:	Not applicable
Viscosity:	Not available
Explosive properties:	None
Oxidizing properties:	None

10. STABILITY AND REACTIVITY

Reactivity

Does not enter into chemical reactions

Chemical Stability

The products are stable under normal conditions of transportation and storage.

Possibility of hazardous reactions

Under normal conditions hazardous reactions will not occur.

Conditions to avoid

The products are stable.

Incompatible materials

Hydrofluoric acid

Hazardous decomposition products

Nature of decomposition products no known.

11. TOXICOLOGICAL INFORMATION

11.1 Effect of Acute Exposure

Acute toxicity

Indicators not established

Eyes and skin irritation

Does not have an irritating effect

Respiratory or skin sensitization

Does not cause allergic reactions

Specific target organ toxicity – Single Exposure:

None

11.2 Effects of Chronic exposure

Repeated dose toxicity

Not available

Specific target organ toxicity – Repeated exposure:

None

Carcinogenicity

Not classified

Mutagenicity

Not classified

Reproductive toxicity

Not classified

Embriotoxicity

Not classified

Teratogenicity

Not classified

12. ECOLOGICAL INFORMATION

12.1 Aquatic Toxicity

Fibrous Glass:

LC₅₀ > 1000 mg/l, Danio rerio, 96h

NOEC ≥ 1000 mg/l, Daphnia magna, 3 d

12.2 Persistence and degradability

Biotic
Biodegradation potential

Not applicable

Activated sudge simulation test

Not applicable

Abiotic
Hydrolysis as ph function

Does not occur

Photolysis/phototransformation

Does not occur

12.3 Bioaccumulative potential

None

12. ECOLOGICAL INFORMATION (CONT.)

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvP assessment

Chemical assessment was not conducted.

12.6 Other adverse effects

No data available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste disposal

Product

Waste and spilled product should be collected in a sealed container and disposed in accordance with local regulations as a non-hazardous waste.

Contaminated packaging

Dispose of in accordance with relevant local legislation

14. TRANSPORT INFORMATION

14.1 Waste disposal

None

14.2 UN proper shipping name

ADR/RID

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.3 Transport hazard class(es)

Not classified as dangerous goods. Permitted to transport all types of transport

ADR/RID

-

IMDG

-

IATA

-

14. TRANSPORT INFORMATION (CONT.)

14.4 Packing group

None

14.5 Label

None

14.6 Special precautions for user

None

14.7 Others

None

15. REGULATORY INFORMATION

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

Not classified according to EEC Directives 67/548/EEC and 88/379/EEC

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I: Not listed.

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II: Not listed.

Regulation (EC) No. 850/2004 on persistent organic pollutants, Annex I as amended: Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended: Not listed

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I part 2 as amended: Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals Annex I part 3 as amended: Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals Annex V as amended: Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry: Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(1) Candidate List as currently published by ECHA: Not listed.

Authorizations

Regulation (EC) No. 143/2011 Annex XIV Substances Subject to Authorization: Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended: Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work: Not regulated.

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding: Not regulated.

15. REGULATORY INFORMATION (CONT.)

Other EU regulations

Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances: Not regulated.

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work: Not listed.

Directive 94/33/EC on the protection of young people at work: Not listed.

The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulations) as amended and respective national laws implementing EC directives. This Safety Data Sheet complies with the requirements of Regulation (EC) No. 1907/2006. National Regulations follow national regulation for work with chemical agents.

15.2 Chemical safety assessment

Chemical safety assessment for this substance was not carried out.

16. OTHER INFORMATION

Abbreviations and acronyms in the Safety Data Sheet

ACGIH = American Conference of Governmental Industrial Hygienists

CAS = Chemical Abstracts Service

vPvB = very persistent, very bioaccumulative (substance)

PBT = Persistent, Bioaccumulative and Toxic (substance)

PNEC = Predicted No Effect Concentration

DN(M)EL = Derived No Effect Level

LD₅₀ = Dose that will kill 50% of test animals

LC₅₀ = Concentration that will kill 50% of test animals

LL₅₀ = Lethal Loading fifty

EC_x = Concentration at which x% inhibition of growth or growth rate is observed

OECD = Organisation for Economic Co – operation and Development

REACH = Registration Evaluation and Authorisation of Chemicals

RID = Regulations concerning International Carriage of Dangerous Goods by Road

ADR = European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG = International Air Transport Association

IARC = International Agency for Research on Cancer

UVCB = Unknown substances, of Variable Composition, or of Biological origin

ECHA = European Chemicals Agency

EINECS = The European Inventory of Existing Commercial Chemical Substances

References

Legal provisions quoted in Sections 2 -15 of the Safety Data Sheet. Substance chemical safety report.

List of applicable R-phrases, hazard statements, safety phrases or precautionary statements not specified in whole in Sections 2-15 of Safety Data Sheet:

None.

Advice on training for employees:

Unspecified

Version

V1.1 – PM – 25/02/2022