

# USB Windtop UV A2/225

A2 fire reaction breathable wall membrane  
Riwega | eternitycomfort

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

1.1	Product identifier	TRADE NAME: USB Windtop UV A2/225 CODE: 02010343
1.2	Relevant identified uses of the substance or mixture and uses advised against	Identified uses: Breathable roofing and façade membrane.
1.3	Details of the supplier of the safety data sheet	RIWEGA GmbH Isola di Sopra Street, 28 I - 39044 Egna (BZ) Tel. +39 0471 827 500
1.4	Emergency telephone number	Gamper Werner Tel. +39 0471 827 500 E-mail: <a href="mailto:info@riwega.com">info@riwega.com</a>

## SECTION 2: Hazard identification

2.1	Classification of the substance or mixture	These materials are classed as a non-hazardous articles.
2.2	Label Elements	None
2.3	Other hazards	See section 3 (possible dangers)

## SECTION 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 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

## SECTION 4: First aid measures

4.1	Description of the first aid measure	General comments: When handled correctly, first aid measures are not necessary. Please note the comment under points 7 and 8.
4.2	Most important symptoms and effects, both acute and delayed	<p><b>Inhalation</b> Move person to fresh air. Seek medical attention if irritation persists.</p> <p><b>Eye contact</b> Flush eyes with running water. Seek medical attention if irritation persists.</p> <p><b>Skin contact</b> 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.</p> <p><b>Ingestion</b> 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.</p>

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## SECTION 5: Fire-fighting measures

5.1	Extinguishing agent	<p><b>Suitable extinguishing media</b> Water, Dry Powder, CO<sub>2</sub>, Foam</p> <p><b>Unsuitable extinguishing media for safety reasons</b> no restrictions known</p>
5.2	Special hazards arising from the substance or mixture	<p>Particular dangers from the product, its combustion products, or gas liberated.</p> <p><b>Products are not flammable, are incombustible and do not support combustion.</b> Only the sizing and/or binder are combustible and could release small quantities of hazardous gas in case of major and prolonged heat or fire.</p> <p><b>Suitable extinguishing media</b> Water, dry chemical, foam and carbon dioxide (CO<sub>2</sub>)</p>
5.3	Particular protective equipment when fighting fire	Carry self-contained breathing apparatus

## SECTION 6: Measures in case of accidental release

6.1	Personal precautions, protective equipment and emergency procedures	<p>Personal precaution's.</p> <p>Not applicable due to the finished nature of this product, see section 13 re waste disposal.</p>
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## SECTION 7: Handling and storage

7.1	Precautions for safe handling	<p>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.</p>
7.2	Conditions for safe storage	<p>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.</p>
7.3	Specific End uses	For Industrial insulation

## SECTION 8: Exposure controls and personal protection

8.1	Control parameters	<p>Control measures to limit and monitor exposure: not applicable. Additional information for the design of the technical plant: not applicable.</p>
8.2	Limitation and monitoring of exposure	<p>Exposure controls. General Components with limit values/ classification which are specific to the place of work and have to be monitored (to TRGS 900) 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 9 µm. They present therefore only a possible irritant in the form of fly.</p>
8.3	Personal protective equipment	<p>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.</p>

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

State: Solid  
Flammability: n.a.  
Flash point: n.a.  
Ignition temperature: n.a.  
Self-ignition: n.a.  
Explosion danger: n.a.  
Continuous filament glass fabric, coated with organic binder  
Fire propagation characteristics: n.a.  
Vapour pressure: n.a.  
Density (20 °C): 2.0 – 2.6 g/cm<sup>3</sup>  
Solubility in water: n.a.  
Solubility in oil: n.a.  
Dispersion coefficient in octanol/water: n.a.

### 9.2 Other information

None

## SECTION 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 CO<sub>2</sub>, small quantities of CO and NOX 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.

## SECTION 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<sub>mix</sub> (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.

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## SECTION 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.

## SECTION 13: Disposal consideration

13.1	Waste treatment methods	<p>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</p> <p>Uncleansed packaging: Remove fibre remnants from packaging and recycle according to packaging guidelines.</p> <p>Glass fibres waste cannot be destroyed by incineration and can damage incinerators by the formation of a vitrified mass</p>
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## SECTION 14: Transport regulations

14.1	Safety, health and environmental regulations / legislation specific for the substance or mixture	Road ADR, Railway RID, Transport by sea IMDG-code, Air transport ICAO-TI/IATA-DGR. For all these standards this product <b>is not regulated for transport</b> .
	Continuous filament glass fabrics are not considered as hazardous goods by transport regulations a packing group and do not need special procedures under any regulations. They are not qualified by a UNO number.	

## SECTION 15: Regulations

15.1	Regulatory information	Continuous filament glass fabrics do not require hazardous product labelling. They do not contain hazardous ingredients. As textile 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 <b>CLP Regulation (EC) 1272/2008</b>

## SECTION 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 RIWEGA GmbH fabrics and/or from observing legal regulations and conditions.