

# Safety Use Instruction Sheet

## Technical Application

Special glassfiber mat for technical category

**Preparation date:** 05/01/2016

**Print date:** 07/01/2021

**Revision:** 1.0

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### ■ SECTION 0. INTRODUCTION

The European Regulation (ER) on Chemicals No. 1907/2006 (REACH) does only require Material Safety Data Sheet (MSDS) for hazardous substances and preparations. Our glassfiber products / glass fibre veils are articles under REACH and therefore, no Material Safety Data Sheet (MSDS) is legally required.

Rade Beschichtungstechnik GmbH decides to provide our customers with the appropriate information for assuring the safe handling and use of glassfiber mat products through a Safe Use Instruction Sheet.

This document has been issued to align with the REACH regulation.

### ■ SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name** : Glassfiber mat with colored pigments / adhesive coating.

**Recommended uses** : Insulations, Epoxy resin application, Filtration, as in combination with technical construction material

**Producer details** : Rade Beschichtungstechnik GmbH

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: 23617 Stockelsdorf

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### ■ SECTION 2. HAZARDS IDENTIFICATION

With regard to its composition, this product is not classified as hazardous according to European Directive 67/548/EEC and 99/45/EC and their latest amendments.

Our glassfiber mat products are articles that in their marketed form do not represent a health hazard by inhalation, skin contact or swallowing. Temporary mechanical irritation (itching) of skin, eyes and respiratory tract may occur upon exposure to dust/particles during handling of this product and cannot occur unless there is direct contact. For detailed explanation see section 11.

It is not legally required to label our glassfiber mat products according to the regulation (EC) No 1272/2008 [CLP].

### ■ SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Glassfiber mat products with a colored surface and / or adhesive preparations are made of strandfibers (Continuous Filament Glass Fibers or chopped strands) with a nominal diameter equal to or greater than 8 µm consolidated with max. 25% of binder.

A surface treatment (coating) is made with color pigments and / or adhesives from a modification based on an aqueous acrylate-dispersion. Some product types are reinforced with glass or polyester filaments.

### ■ SECTION 4. FIRST AID MEASURES

**Eye contact** : Rinse immediately with plenty of water, also under the eyelids, for at least 15 min.  
Do not rub or scratch eyes.  
If eye irritation persists, consult a specialist.

**Skin contact** : Wash off immediately with soap and cold water.  
Do not rub or scratch affected areas.  
Get medical attention if irritation develops and persists.

**Inhalation** : Move to fresh air. If symptoms persist, call a physician.

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**Swallowing** : Rinse mouth with water to remove dust or fibers and drink plenty of water to help reduce irritation.  
If symptoms persist, call a physician.

### ■ SECTION 5. FIREFIGHTING MEASURES

**In general** : Our products are not flammable. But the binder is combustible and could release small quantities of hazardous gas in case of major and prolonged heat or fire.

**Suitable extinguishing media** : Water, dry chemicals, foam, carbon dioxide (CO<sub>2</sub>).

**Special protective equipment for firefighters** : Wear self-contained breathing apparatus and full fire fighting protective gear.

### ■ SECTION 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions** : Avoid contact with the skin and the eyes, avoid dust formation as well.

**Methods for Clean-up** : Take up mechanically. Pick up and arrange disposal without creating dust.

### ■ SECTION 7. HANDLING AND STORAGE

**Advice on safe handling** : Wear appropriate personal protective equipment in case of direct contact with the product. (see section 8).  
Smoking, eating and drinking should be prohibited in the application area.  
Prevent and/or minimize dust formation.

**Storage conditions** : Keep in a dry, cool place. Keep product in its packaging until use to minimize potential dust generation.

### ■ SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Glassfiber mat products are not respirable however certain mechanical processes might generate airborne dust or fibre fly (see section 11).

Components with workplace control parameters:

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
General limit value for dust (AGW - Germany)	Not Assigned	AGW (Alveolar fraction)	1,25 mg/m <sup>3</sup>	DE TRGS 900
		AGW (inhalable fraction)	10,0 mg/m <sup>3</sup>	DE TRGS 900

Strong mechanical wear of the glassfiber mat can induce the formation of dust or fiber fly, which can be considered molesting. Do not exceed the exposure limit values for general dust. Please observe your national valid limit values.

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- Respiratory protection** : If nevertheless excessive expositions to dust or fiber fly are measured, we recommend using a respirator.
- Eye protection** : If there is much fiber fly or dust, safety glasses with side-shields should be worn.
- Hand protection** : For prolonged or repeated contact use protective gloves.
- Skin and body protection** : Long sleeved shirt and long pants, usual protective clothing as well.
- Hygiene measures** : Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use.

### ■ SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance** : white, black or colored.
- Physical state** : solid.
- Softening point** : > 800°C (E-Glass), > 680°C (C-Glass).
- Melting point** : not applicable.
- Decomposition temperature** : size and mat binders start to decompose at 200°C. (Thermogravimetric analysis).
- Odour** : slight.

### ■ SECTION 10. STABILITY AND REACTIVITY

- Chemical stability** : No decomposition if stored and applied as directed.
- Possibility of hazardous reactions** : Stable under recommended storage conditions. No hazards to be specially mentioned.
- Conditions to avoid** : No data available

### ■ SECTION 11. TOXICOLOGICAL INFORMATION

During cutting, milling or other processing, dust may be generated that does not represent a health hazard if below the recommended exposure limits for nuisance dust (inhalable and alveolar fraction). Temporary mechanical irritation (itching) of skin, eyes and respiratory tract may occur upon exposure to dust/particles during handling of this product and cannot occur unless there is direct contact. Mechanical irritation is not considered as a health hazard in the meaning of European directive 67/548/EC on hazardous substances. Our glassfiber mat products do not require a classification as an irritant (Xi) under the European directive 97/69/EC.

The Irritation effects should subside after cessation of exposure. The fibers of our glassfiber mat products do not possess cleavage planes which would allow them to split length-wise into fibers with smaller diameter; rather they break across the fiber, resulting in fibers which are of the same diameter as the original fiber. Microscopic examination of dust from highly chopped and pulverized glass demonstrated the presence of small amounts of respirable dust particles. Among these respirable particles, some were fiber-like in terms of length /diameter ratio (so-called "shards"). It can be clearly observed, however, that they are not regular shaped fibers but irregular shaped particles with fiber-like dimensions.

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To the best of our knowledge, the exposure levels of these fiber-like dust particles measured at our manufacturing plants are, on an order of magnitude, between 50 to 1000 times below existing occupational exposure limits. Exposures will vary according to environmental and process conditions and exposure duration. Our glassfiber mat products are not carcinogenic. (see section 15)

### ■ SECTION 12. ECOLOGICAL INFORMATION

Due to the properties of the product, a hazard to the environment may not be expected.

### ■ SECTION 13. DISPOSAL CONSIDERATIONS

Disposal of residual product in accordance with local and national regulations.

### ■ SECTION 14. TRANSPORT INFORMATION

International transport regulations (IMDG/IMO, RID, ADR, ICAO, IATA, DOT, TDG, MEX) - Our products are not classified as dangerous goods according to international transport regulations.

### ■ SECTION 15. REGULATORY INFORMATION

Our glassfiber mat products are not classified as hazardous according to European Directive 67/548/EEC and 99/45/EC and their latest amendments.

According to E.U. Directives are the fibers in our products not classified as carcinogenic. The continuous filament glass fibers of our glassfiber mat products are not within the scope of Directive 67/548/EEC per amendment 97/69/EC since they are not "fibers with random orientation".

### ■ SECTION 16. OTHER INFORMATION

The above data inform you about aspects of safety according to the actual state of our experience and knowledge. Completeness of the information and data provided at the safety instruction is excluded. The usage and processing of our products is out of our influence and varying circumstances by using, approaches and materials an adjustment with the respective working conditions is required, a legal obligation from this instruction cannot be derived.