



1. Name of product and company

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Name of product: CEMproof® SilverSeal „active“ swelling non-woven

Manufacturer: **BPA – GmbH Beratung Planung Ausführung
Behringstr. 12
D – 71083 Herrenberg-Gültstein
Germany**

Supplier:

Contact person: **Dipl.-Ing., Dipl.-Wirtsch.-Ing Adrian Pflieger**
adrian.pflieger@dichte-bauwerke.de
Tel ++49 +7032 89 399 - 0
Fax ++49 +7032 89 399 - 29

2. Composition of CEMproof® SilverSeal „active“

Polyolefin fiber		40%
Polyethylene terephthalat		10%
Additive	if need be titanium dioxide colorant	<1%
Other ingredients	Acrylate-Copolymer	50%

3. Information to special ingredients

Fiber mixture

The fiber product is not toxic.

In case the product is used as for example in the food industry, sanitation, in the medical or surgical sector, please contact the manufacturer. No harm to health is known if the product is conventionally used – as described in the technical data sheet “SilverSeal”.

Residual solvents

None

SAF

Cross-linked acrylate-copolymer, partly neutralized to sodium salt

4. Possible danger

This product is not cancer-causing, mutagen or teratogenic

5. First aid measures

Inhalation

It is highly unlikely that inhaling the product causes harm when the legal MAC values (maximum allowable concentration) are observed. Therefore no special treatment is necessary.

Only for the manufacturing process!

Avoid fiber dispersal and release of material and its dust through suction and ventilation.

Move to fresh air if level of fiber dust and fiber dispersal was high. If cough and other symptoms persist, call a physician.

Eye contact

May cause eye irritation which will diminish, when product is removed. Flush eyes with plenty of flowing water for about 15 minutes. In case of durable symptoms, consult an ophthalmologist.

Skin contact

Wash the affected skin with a mild cleanser and water. If skin irritation persists, call a physician.

After ingestion

Immediately rinse mouth thoroughly with water. Don't drink water. Avoid vomiting.

Respiration

Remove material from mouth and throat and free the airways. Bring patient into fresh air and observe furthermore. In case of apnea start with mouth-to-mouth breathing and ask for medical assistance.

6. Fire-fighting measures

Flammability

Flashpoint	non-applicable, product burns in fire
Temperature of self-ignition	> 430° C DIN 51794
Temperature of decomposition	> 175° C

Dangerous combustion products

Carbon monoxide, carbon dioxide, depending on temperature and air supply also low molecular organic compounds.

Unusual fire and explosion hazard

Accumulation of fiber dust and fiber dispersal in sufficient concentration may cause a fire. Keep away from stray flashes. Be aware of the effect of electrostatic charge.

7. Extinguishing media

Suitable: all suitable extinguishing media, carbon dioxide (CO₂), foam, dry extinguishing powder

Unsuitable: water, if fire started because of electric short circuit

Use protective respirator with independent air supply when firefighting in confined spaces.

8. Accidental release measures

Consider the points „Fire-fighting measures“ and „Handling and storage“ before cleaning. While cleaning, wear suitable „protective clothing“.

9. Handling and storage

All rolls must be stored according to the storage guidelines. Dry storage!

10. Exposure controls and personal protection

Avoid fiber dispersal and release of material and its dust through suction and ventilation.

11. Personal protection

Eye protection

Adequate safety measures, e.g. when opening the rolls

Skin protection

Fibers, which are worked at a high speed, may excoriate or cause a cut. Adequate safety measures are recommended.

Respiratory protection

No special measures are necessary, except in case of fire see point 6.

12. Exposure limits

None

13. Physical and chemical properties

Appearance

Physical state:	needle-punched non-woven
Color:	white
Odor:	odorless

Security-relevant data

Special weight:	0.9 – 0.92 g/cm ³
Melting point:	160-175° C
Water solubility:	insoluble/water absorbing
Solvent concentration:	none
Ignition temperature:	see point 6
Decomposition temperature:	see point 6

14. Stability and reactivity

Chemical stability

stable

Thermal decomposition

No decomposition according to conventional usage and temperatures < 80° C

Radioactivity

Doesn't influence the ingredients of swelling non-woven

Conditions to avoid

Temperatures above 300° C cause compensation of oxygen
(see also point 6)

Intolerance with other material

Polypropylene may be decomposed with strong oxidants as well as strong acids and bases.

Compensation

Dangerous compensation products: see point 6

Toxicological information

see point 3

There is no harmful information present specific for this product when appropriately handled and conventionally used.

15. Ecological information

Eco-toxicological information

The product is environmentally safe.

According to local regulations the wastewater has to be supplied to a cleaning plant after the subsequent processing with water.

Information to the eco-chemical bearing

The polypropylene non-woven is inactive and rotting-resistant against naturally in the soil existing substances.

Disposal considerations

If recycling is not possible, the polypropylene may be deposited or burnt in the appropriate incineration plant according to local regulations.

Transport information

GGVSee/IMDG-Code:	UN-Nr.	ICAO/IATA-DGR:
GGVE/GGVS:	RID/ADR	ADNR:

Other information: Not dangerous by any mode according to the above mentioned guidelines

Regulations

The material is classified as not dangerous according to national and international criteria.

Further, general information

These data describe only the safety requirements for the above described product and are not to be used in combination with any other material or any other solution nor with another product or other procedures.

This document serves to give the commercial user the appropriate information to protect the environment and human beings. It is not to be intended for the private end-user.

The information of this Health Safety datasheet corresponds to the best knowledge of the signatory at the time of signing. The data is not a contractual warranty of product features.

Herrenberg, October 18, 2008