

Material safety data sheet according to EC-directive 1907/2006 (REACH)

Product name:
AeroGlas anti-microbial Textile

version: 2.0

Date of issue: 09.05.2012 adapted

Print date: 22.05.2012

01. Substance/preparation and company identification

Product name
AeroGlas Textile

Use:
Textile impregnation with antimicrobial property

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02. Hazards Identification

According to 1272/2008/EC, appendix VII;
none
R-phrase:
none

Classification according to 67/548/EWG or guideline 1999/45/EC

03. Composition/Information on ingredients

Chemical characterisation

100 g solution include:
0,05 g Pyridin-2-thiol-1-oxid, sodium salt

Hazardous ingredients

Chemical substance	CAS-Nr.	EG-Nr./ EINECS/ELIN CS	content (%)	Classification/declaration		remark
				Symbol	R-phrase	
fluoralcylacrylat-copolymer, aqueous emulsion			< 5	-	-	
Pyridin-2-thiol-1-oxid, sodium salt	3811-73-2	223-296-5	0,05	Xn, N	20/21/22-36/38- 50	AGW/MAK (Tagesmittelwerte): Deutschland/Österreich/ Schweiz: 1 mg/m ³

The wording of the hazard symbols and R-phrases is specified in chapter 16 if dangerous ingredients are mentioned.

04. First-aid measures

If inhaled:

No exposition expected by intended use.

On skin contact:

Wash skin with soap and water for at least fifteen minutes. If irritation or adverse symptoms develop, seek medical attention.

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On contact with eyes:

Flush eyes with running water for at least fifteen minutes. If irritation or adverse symptoms develop, seek medical attention.

On ingestion:

Immediately rinse mouth and then drink plenty of water. Do not induce vomiting. Seek immediate medical attention.

Note to physician:

Gastric lavage using a cuffed endotracheal tube may be performed at medicines decision.

05. Fire-fighting measures

Suitable extinguishing media:

The product is non-combustible. Suitable extinguishing media: water, dry extinguishing media, foam.

Special protection equipment during the fire fighting:

Respirator and protective clothing carry.

06. Accidental release measures

Technical preventive measures:

Remove ignition sources. Provide a good aeration.

Protection of individual's measures:

Carry eye protector, protection gloves and protection smocks. Carry respiratory protection during bad aeration.

Environmental protection measures:

Keep away from drains, waters and soil.

Procedure for the cleaning:

Take up mechanically or with liquid-binding material and in closed container of the disposal supply. Suitable bonding agents: Sand (to damming), wood flour or universal binder.

07. Handling and storage

Handling:

Avoid contact with skin and eyes.

Do not mix with other products. Use personal protective equipment (PPE) (see chapter 08)

Storage:

storage stability: store above 0°C; keep away from temperatures over 40°C

08. Exposure controls/personal protection

Threshold limit values: -

Technical preventive measures:

Work only in well ventilated areas, accomplish under flow or exhaust. Plan emergency shower and eye bath.

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Product name:
AeroGlas anti-microbial Textile

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Industrial hygiene:

Avoid contact with the eyes and the skin. Do not inhale steams. Do not carry dirty clothes. Wash hands and face after the work. Pay attention to preventing skin protection before and after the work.

Respiratory protection:

Pay attention to personal respiratory protection during the occurrence of steams or aerosols in larger quantity (design-proved suitable protective mask with P3-Partikel-Filter and/or A2/P3 - combination filters).

Hand protection:

Chemical resistant protective gloves (EN 374)

Suitable materials short-term contact and/or splashes (recommended: at least protective index 2, corresponding < 30 minutes of permeation time according to EN 374)

Butyl rubber (butyl): 0,7 mm coating thickness

Nitrile rubber (NBR): 0,4 mm coating thickness

Eye protection:

Tightly fitting safety goggles (cage goggles) according to EN 166:2001

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice.

09. Physical and chemical properties

Appearance:

form: liquid
colour: colourless
odour: product specific

Safety Data:

danger of explosion: the product is not potentially explosive,

Parameter	value	Unit	Method	remark
lower explosion limit	product is not potentially explosive			
upper explosion limit				
vapour pressure	not determined			
density	0,99	g/ml	gravimetric	
viscosity	not determined			
miscibility with water	miscible in all proportions			
pH-value	4 - 5			
boiling point/range	not determined			
flash point	---			
ignition temperature	---			

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10. Stability and reactivity

Incompatible materials and conditions:

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Dangerous decomposition products: not known

Dangerous reactions: -

11. Toxicological Information

According mathematical method (1999/45/EC)

Toxicological control:

No data available (formulation)

Acute Toxicity:

No data available (formulation)

Pyridin-2-thiol-1-oxid, sodium salt:

Acute oral toxicity: LD50: 1500 mg/kg (rat)

Acute dermal toxicity: LD50: 1800 mg/kg (rabbit)

Acute inhalative toxicity: -

primary skin irritation: irritation

primary mucous membrane irritation: irritation

Sensibilisierung: no sensitisation

Practical experience:

No data available (formulation)

12. Ecological information

Eco toxicity

No data available (formulation).

Eco toxicity of ingredients:

Pyridin-2-thiol-1-oxid, sodium salt

LC50 (48h, static): 0,15 mg/l (Daphnia magna)

LC50 (96h, dynamic): 1300 mg/l (Oncorhynchus mykiss)

Test organism	Effective concentration	Method	evaluation
Daphnia magna	0,02 – 21 mg/l	OECD 2002	NOEC: 0,02 mg/l (48 h)
Slenastrum capricornutum (green alga)	0,01 – 1,3 mg/l	OECD 201	NOEC: 0,08 mg/l (72 h)
Oncorhynchus mykiss	13 – 3200 µg/l	EPA	NOEC: 13 µg/l (96 h)

Mobility

No data available (formulation)

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Bioaccumulation:

No data available (formulation).

PBT-property

No data available (formulation).

Other deleterious effect

No data available (formulation)

13. Disposal considerations

EAK/AVV- Waste code according to the hazardous waste list directive

08 01 11

Package

Contaminated package

15 01 10

Cleaned package

15 01 02

14. Transport Information

No DGR

15. Regulatory information

Regulations of the European Union (Labelling) [67/548/EWG und 1999/45/EG]/national legislation/regulations

none

Labelling according to 1272/2008/ec

Not been preformed (cause: formulation)

R-Phrase: none

S-Phrase:

15 Keep from heat.

35 This material and its container must be disposed of in a safe way.

National legislation

water hazard class:

WGK 1 (according to VwVwS from 17.05.1999, app. 2): light water pollutant

VOC-content: 0% (calculated)

16. Other information

Full text of R-phrase if mentioned as hazardous components in chapter 2 and 3

R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R 36/38 Irritating to eyes and skin.

R 50 Very toxic to aquatic organisms.

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Other information

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