

# Safety Data Sheet as per regulation (EC) 1907/2006

Commercial Product Name : FS 10 – 104 GELB-ROETLICH FOLCO AQUASCREEN FS 10

**FOLLMANN**

Article-No. : 15640-104

Revision Date : 28.09.2015

Version : 2 /en

Replaces version from : 28.01.2015

Print date : 02.11.2015

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

### 1.1 Product identifier

Commercial Product Name FS 10 – 104 GELB-ROETLICH FOLCO AQUASCREEN FS 10

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses wallpaper

### 1.3 Details of the supplier of the safety data sheet

Address Follmann GmbH & Co. KG  
Postfach 12 63  
D-32372 Minden  
Telephone : +49 (571) 93 39 -0  
FAX : +49 (571) 93 39 -300

Responsible Department Environmental Department +49 (571) 9339-176

E-mail (competent person) sicherheitsdatenblatt@follmann.de

### 1.4 Emergency telephone number

Emergency telephone number Outside USA: -001 703 527 3887 (D813)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

\*Classification according to Regulation (EC) No. 1272/2008 Aquatic Chronic 3; H412

### 2.2 Label elements

\*H-statement(s) H412: Harmful to aquatic life with long lasting effects.

\*P-statement(s) P273: Avoid release to the environment.

\*Further information EUH208: Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixture

Chemical characterization waterdilutable pigment dispersion

#### Hazardous ingredients

Ingredient		Classification (EC) 1272/2008	Concentration
Arylalkylbiphenylolpolyglykolether	CAS No. : 68130-72-3	Aquatic Chronic 3; H412	1.0 – 5.0 % by weight
2,2'-Oxydiethanol	CAS No. : 111-46-6 EC-No. : 203-872-2 Index-No. : 603-140-00-6 REACH No. : 01-2119457857-21-XXXX	Acute Tox. 4; H302 STOT RE 2; H373	1.0 – 5.0 % by weight
Amines, C12-18-alkyldimethyl	CAS No. : 68391-04-8 EC-No. : 269-923-6 REACH No. : 01-2119485586-22-XXXX	Acute Tox. 4; H302 Skin Corr. 1B; H314 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	0.1 – 1.0 % by weight
1,2-benzisothiazol-3(2H)-one	CAS No. : 2634-33-5 EC-No. : 220-120-9 Index-No. : 613-088-00-6	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 2; H411	0.01 – 0.1 % by weight

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## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

General advice	Move out of dangerous area. Take off all contaminated clothing immediately. Do not leave the victim unattended. Show this safety data sheet to the doctor in attendance.
In case of skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation occurs, seek medical advice/attention.
In case of eye contact	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
If swallowed	Rinse mouth. Do NOT induce vomiting. Call a physician immediately.

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

Suitable extinguishing media Carbon dioxide (CO<sub>2</sub>), Foam, Water spray, Dry powder

Extinguishing media which must not be used for safety reasons High volume water jet

### **5.2 Special hazards arising from the substance or mixture**

Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases Hazardous decomposition products formed under fire conditions. Exposure to decomposition products may be a hazard to health.

### **5.3 Advice for firefighters**

Special protective equipment for firefighting In the event of fire, wear self-contained breathing apparatus.

Additional information on firefighting The product itself does not burn. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Do not allow run-off from fire fighting to enter drains or water courses.

## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions Use personal protective equipment.

### **6.2 Environmental precautions**

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

### **6.3 Methods and material for containment and cleaning up**

Methods for cleaning up Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Clean contaminated surface thoroughly.

### **6.5 Additional information**

Other information Treat recovered material as described in the section "Disposal considerations".

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling	Handle and open container with care. Avoid contact with skin and eyes.
Precautions	Smoking, eating and drinking should be prohibited in the application area. For personal protection see section 8. Observe label precautions.
Advice on protection against fire and explosion	No special protective measures against fire required.

### 7.2 Conditions for safe storage, including any incompatibilities

Storage space and container requirements	Keep in properly labelled containers. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Storage specifications	Protect from frost.
TRGS 510	12
Recommended storage temperature	5 – 25 °C

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Amines, C12-18-alkyldimethyl

##### DNEL

Value	Target group	Exposure route	Exposure frequency	Source
1 mg/m <sup>3</sup>	Workers	inhale	Long term effects Local	100
1 mg/m <sup>3</sup>	Workers	inhale	Acute Local effects	100

Source : 100 – Firmendaten

##### PNEC

Value	Target group	Exposure route	Remarks	Source
0,26 µg/l	Environment	freshwater		100
0,03 µg/l	Environment	marine water		100
0,26 µg/l	Environment	Water intermittent re-releases		100
130 µg/l	Environment	Onsite STP		100
1,25 mg/kg	Environment	freshwater sediment	Trockengewicht	100
0,125 mg/kg	Environment	marine sediment	Trockengewicht	100
1 mg/kg	Environment	Soil	Trockengewicht	100

Source : 100 – Firmendaten

### 8.2 Exposure controls

Respiratory protection	Note: Should no job-related limit values are indicated, the product, which a monitoring exposure limit is allocated, do not contains ingredients in relevant concentrations. Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust).
Hand protection	Protective gloves complying with EN 374. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
Suitable material :	Nitriles

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Unsuitable material :	woven fabric, Leather gloves
Eye protection	Tightly fitting safety goggles
Skin and body protection	Wear suitable protective equipment. Long sleeved clothing
General protective and hygiene measures	Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feedingstuffs. Wash hands before breaks and at the end of workday. Use protective skin cream before handling the product. Avoid contact with the skin and the eyes.

## **SECTION 9: Physical and chemical properties**

### **9.1 Information on basic physical and chemical properties**

Physical state	liquid
Form	Liquid
Colour	yellow
Odour	characteristic
Melting point [°C] / Freezing point [°C]	0 °C
Boiling point [°C]	100 °C
Evaporation rate [kg/(s*m <sup>2</sup> )]	not determined
Vapour pressure [kPa]	123 hPa
Temperature :	50 °C
Vapour density	not determined
Density [g/cm <sup>3</sup> ]	1,08 – 1,12 g/cm <sup>3</sup>
Water solubility [g/l]	
Remarks :	miscible
Partition coefficient n-octanol /water (log P O/W)	not determined
Autoignition temperature [°C]	not determined
Viscosity, dynamic [kg/(m*s)]	approx.20 – 25 dPa*s
Temperature :	20 °C
Measuring method :	Haake-Viscotester
Explosive properties	Not relevant
Oxidising properties	Not relevant

## **SECTION 10: Stability and reactivity**

### **10.4 Conditions to avoid**

Conditions to avoid	None under normal processing.
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**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Hazardous ingredients****Arylalkylbiphenylolpolyglykolether**

Oral toxicity [mg/kg]	Test criterion	Test species	Source
>5000 mg/kg	LD50	rat	100

Source : 100 – Firmendaten

Irritant effect on skin No skin irritation

Test species rabbit

Irritant effect on eyes No eye irritation

Test species rabbit

Sensitization No sensitization responses were observed.

**DIETHYLENE GLYCOL**

Oral toxicity [mg/kg]	Test criterion	Test species	Source
12565 mg/kg	LD50	rat	100

Source : 100 – Firmendaten

Dermal toxicity [mg/kg]	Test criterion	Test species	Source
11890 mg/kg	LD50	rabbit	100

Source : 100 – Firmendaten

**1,2-BENZISOTHIAZOL-3(2H)-ONE**

Oral toxicity [mg/kg]	Test criterion	Test species	Source
1193 mg/kg	LD50	rat	100

Source : 100 – Firmendaten

Dermal toxicity [mg/kg]	Test criterion	Test species	Source
4115 mg/kg	LD50	rat	100

Source : 100 – Firmendaten

Irritant effect on skin Skin irritation

Irritant effect on eyes Risk of serious damage to eyes.

Sensitization May cause sensitization by skin contact.

Carcinogenic effects no data available

Mutagenicity no data available

Reproduction toxicity no data available

**11.2 Additional information**

Other information (chapter 11.) No toxicology information is available.

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**SECTION 12: Ecological information****12.1 Toxicity****Hazardous ingredients****Arylalkylbiphenylolpolyglykoether**

Toxicity to fish [mg/l]	Test criterion	Test species	Exposure duration	Source
18 mg/l	LC50	Brachydanio rerio (zebra fish)	96 h	100

Source : 100 – Firmendaten

Biodegradability Not readily biodegradable.

Toxicity to bacteria [mg/l]	Test criterion	Test species	Duration of dosage	Source
>10000 mg/l	EC50	Bacteria	3 h	100

Source : 100 – Firmendaten

AOX-hints Product does not contain any organic halogens.

**DIETHYLENE GLYCOL**

Toxicity to daphnia [mg/l]	Test criterion	Test species	Exposure duration	Source
>10000 mg/l	EC 50	Daphnia magna (Water flea)	24 h	72

Source : 72 – Verordnung (EG) Nr. 1272/2008 des Europäischen Parlaments und des Rates vom 16. Dezember 2008 über die Einstufung Kennzeichnung und Verpackung von Stoffen und Gemischen (Tab. 3.1)

**Amines, C12-18-alkyldimethyl**

Biodegradability Readily biodegradable.

Ready degradability

**1,2-BENZISOTHIAZOL-3(2H)-ONE**

Toxicity to fish [mg/l]	Test criterion	Test species	Exposure duration	Source
2,18 mg/l	LC50	Oncorhynchus mykiss (rainbow trout)	96h	72

Source : 72 – Verordnung (EG) Nr. 1272/2008 des Europäischen Parlaments und des Rates vom 16. Dezember 2008 über die Einstufung Kennzeichnung und Verpackung von Stoffen und Gemischen (Tab. 3.1)

Toxicity to daphnia [mg/l]	Test criterion	Test species	Exposure duration	Source
2,94 mg/l	EC 50	Daphnia magna (Water flea)	48 h	100

Source : 100 – Firmendaten

Toxicity to algae [mg/l]	Test criterion	Test species	Exposure duration	Source
0,11 mg/l	ErC50	Pseudokirchneriella subcapitata	72 h	100

Source : 100 – Firmendaten

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## 12.5 Results of PBT and vPvB assessment

Results of PBT characteristics determination      This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

## 12.6 Other adverse effects

Further information on ecology      We have no quantitative data concerning the ecological effects of this product.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Disposal considerations      According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. The following Waste Codes are only suggestions:

Waste Code      08 01 12: waste paint and varnish other than those mentioned in 08 01 11  
08 03 13: waste ink other than those mentioned in 08 03 12

Uncleaned empty packaging      -  
-

## SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG	Air transport ICAO/IATA
14.2 Description of the goods	Non dangerous good		
14.2 UN proper shipping name		Non dangerous good	Non dangerous good

### 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code      Not relevant

## SECTION 15: Regulatory information

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

Additional regulations      Additionally, observe any national regulations!

## SECTION 16: Other information

Relevant H-phrases      EUH208: Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.  
H302: Harmful if swallowed.  
H314: Causes severe skin burns and eye damage.  
H315: Causes skin irritation.  
H317: May cause an allergic skin reaction.  
H318: Causes serious eye damage.  
H373: May cause damage to organs through prolonged or repeated exposure .  
H400: Very toxic to aquatic life.  
H410: Very toxic to aquatic life with long lasting effects.  
H411: Toxic to aquatic life with long lasting effects.  
H412: Harmful to aquatic life with long lasting effects.

Wording of the hazard classes      Acute Tox.: Acute toxicity  
STOT RE: Specific target organ toxicity – repeated exposure  
Skin Corr.: Skin corrosion

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Aquatic Acute: Hazardous to the aquatic environment  
Aquatic Chronic: Hazardous to the aquatic environment  
Skin Irrit.: Skin irritation  
Eye Dam.: Serious eye damage  
Skin Sens.: Skin sensitization

\*Modifications since last version

Modifications of the previous version are denoted with an asterisk (\*).

\*Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]

Classification	evaluation
Aquatic Chronic 3; H412	

Department issuing safety data sheet

Environmental Department

Further information

Full text of R-phrases referred to under sections 2 and 3

This information is provided in accordance with the current status of our knowledge and experience. The Safety Data Sheet describes products with a view to relevant safety requirements. This information does not constitute a warranty of properties, features or qualities.