

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

### **1.1 Product identifier**

Commercial Product Name FQ 3171/1 PVDC-FREI FOLCO FOAMCOAT FQ

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

Relevant identified uses printing ink

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

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

Contact person Environmental Department  
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 Directive 67/548/EEC / 1999/45/EEC This product is not classified as dangerous according to 67/548/EEC / 1999/45/EEC.

### **2.2 Label elements**

Labelling (67/548/EEC or 1999/45/EC) The product does not have to be labelled according to guideline 67/548/EEC / 1999/45/EEC.

## **SECTION 3: Composition/information on ingredients**

### **3.2 Mixture**

Chemical characterization Modification on basis of vinyl acetate-copolymer dispersion

#### **Hazardous ingredients**

Ingredient		Classification (EEC) No 67/548 Classification (EC) 1272/2008	Concentration
and isobutane	CAS No.: 75-28-5 EC-No.: 200-857-2 Index-No.: 601-004-00-0	F+; R12 Flam. Gas 1; H220 Press. Gas; H220	1.0 - 5.0 % by weight

## **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.

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

Commercial Product Name: FQ 3171/1 PVDC-FREI FOLCO FOAMCOAT FQ

Article-No.: 15290-144

Revision Date: 30.06.2014

Version: 1/en

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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

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".

### **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. None under normal processing.

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.

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Storage specifications	Protect from frost.
TRGS 510	10
Recommended storage temperature	5-20 °C

### **SECTION 8: Exposure controls/personal protection**

#### **8.1 Control parameters**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

#### **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 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	white
Odour	characteristic
pH	6 - 8
Melting point [°C] / Freezing point [°C]	ca.0 °C
Boiling point [°C]	ca.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> ]	approx. 1,2 - 1,3 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. 60 – 70 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.

**SECTION 11: Toxicological information**

**11.1 Information on toxicological effects**

**11.2 Additional information**

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

**SECTION 12: Ecological information**

**12.1 Toxicity**

**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 -  
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**SECTION 14: Transport information**

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

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### 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 R-phrases      R12: Extremely flammable.

Relevant H-phrases      H220: Extremely flammable gas.

Wording of the hazard classes      Flam. Gas: Flammable gas  
Press. Gas: Gases under pressure

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.