

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

Commercial Product Name : FEP-DI 802 Schwarz FOLCO LOR

Article-No. : 17021-802

Revision date : 13.04.2016

Version : 1 /en

**FOLMANN**

Print date : 02.01.2017

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

### **1.1 Product identifier**

Commercial Product Name                      FEP-DI 802 Schwarz FOLCO LOR

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

Relevant identified uses                      pigment preparation

### **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 Regula-                      Aquatic Chronic 3; H412  
tion (EC) No. 1272/2008

### **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.

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

### **3.2 Mixture**

Chemical characterization                      Dispersion of pigment in plasticise

### **Hazardous ingredients**

| Ingredient  | CAS No. :   | Classification (EC) 1272/2008  | Concentration         |
|---|-------------|--|-----------------------|
| 1,2-Ethandiamin, Polymer mit Aziridin, Rp. mit Ethylhexylacrylat, Salz mit PEG-PPG-monobutylether. Phosphat | 398475-96-2 | Skin Irrit. 2; H315 Eye Irrit. 2; H319 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 | 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.

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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.  
Gaseous hydrogen chloride (HCl).

#### **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.  
Treat recovered material as described in the section "Disposal considerations".

#### **6.4 Reference to other sections**

Reference to other sections                      Disposal considerations See also section 13

### **SECTION 7: Handling and storage**

#### **7.1 Precautions for safe handling**

Advice on safe handling                              Take precautionary measures against static discharges.  
Protect from frost, heat and sunlight.  
Handle and open container with care. Avoid contact with skin and eyes.  
Do not breathe vapours or spray mist.  
Provide appropriate exhaust ventilation at machinery.

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      Vapours may form explosive mixture with air.  
Take precautionary measures against static discharges.

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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.<br>Keep away from sources of heat and ignition.   |
| TRGS 510                                 | 10  |
| Recommended storage temperature          | 5 - 25 °C<br>0 - 30 °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                  | Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust).<br>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.               |
| 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. |
| Unsuitable material :                   | woven fabric, Leather gloves  |
| Suitable material :                     | Nitriles  |
| 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                                      | paste                                 |
| Colour                                    | black                                 |
| Odour                                     | characteristic                        |
| Flash point [°C]                          | > 100 °C                              |
| Evaporation rate [kg/(s*m <sup>2</sup> )] | not determined                        |
| Vapour density                            | not determined                        |
| Density [g/cm <sup>3</sup> ]              | approx. 1,05 - 1,07 g/cm <sup>3</sup> |
| Temperature :                             | 20 °C                                 |

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|  |                            |
|--|----------------------------|
| Partition coefficient n-octanol /water (log P O/W) | not determined             |
| Autoignition temperature [°C]                      | not determined             |
| Viscosity, dynamic [kg/(m*s)]                      | approx. 500 – 1.500 mPas*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 | Heat, flames and sparks.<br>Hazardous decomposition products may be produced when the recommended processing temperatures or times are exceeded. |
|---------------------|--|

### **10.5 Incompatible materials**

|                    |                           |
|--------------------|---------------------------|
| Materials to avoid | Oxidizing agents (strong) |
|--------------------|---------------------------|

## **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<br>08 03 13: waste ink other than those mentioned in 08 03 12<br>07 02 08*: other still bottoms and reaction residues |
| Uncleaned empty packaging | -<br>-   |

## **SECTION 14: Transport information**

|            | Land transport ADR/RID | Marine transport IMDG | Air transport ICAO/IATA |
|------------|------------------------|-----------------------|-------------------------|
| 14.1 UN-No | Not applicable.        | Not applicable.       | Not applicable.         |

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|                                 |                        |                       |                         |
|---------------------------------|------------------------|-----------------------|-------------------------|
|                                 | 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      |
| 14.3 Transport hazard class(es) | Not applicable.        | Not applicable.       | Not applicable.         |
| 14.4 Packaging group            | Not applicable.        | Not applicable.       | Not applicable.         |
| 14.5 Environmental hazards      | Not applicable.        | Not applicable.       | Not applicable.         |

**14.7 Transport in bulk according to Annex II of MARPOL 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 H315: Causes skin irritation.  
H319: Causes serious eye irritation.  
H400: Very toxic to aquatic life.  
H410: Very toxic to aquatic life with long lasting effects.  
H412: Harmful to aquatic life with long lasting effects.

Wording of the hazard classes Skin Irrit.: Skin irritation  
Eye Irrit.: Serious eye irritation  
Aquatic Acute: Hazardous to the aquatic environment  
Aquatic Chronic: Hazardous to the aquatic environment

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.