



## Technical article information sheet

on the basis of 1907/2006/EG

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### 1. Article name and supplier identification

<b>Article-name:</b>	<b>RENOLIT EXTERIOR APPLICATION Sheet Lamination Film</b> <b>RENOLIT EXOFOL FX plain / printed</b>
<b>Product-number:</b>	<b>30.30.30 / 30.30.31</b>
<b>Supplier:</b>	<b>RENOLIT SE</b> Postfach 1940 D 67 509 Worms / Germany Phone: +49 6241.303.0

### 2. Composition / Information on ingredients

<b>Chemical characterization:</b>
Article based on acrylic polymers, polyvinylidenfluorid and additives. Additionally, a primer is used.
<b>REACH-relevant information (in accordance to Article 33 of the REACH regulation):</b>
The article <b>does not contain</b> , in a concentration above 0,1% (w/w), any of the substances included on the candidate list (status: Jun. 18, 2012) set out according to article 59 (1,10) of the REACH regulation
We provide this product information on the basis of our current knowledge and experience and can neither give any warranty nor assume any responsibility for factors outside our control or knowledge.

### 3. Physical properties

- Form:	solid film
- Odour:	slight and typical characteristic odour
- Explosive limits:	none, see Pos. 7
- Density (23 °C):	about 1,2 g/cm <sup>3</sup>
- Solubility in water (20 °C):	practically not soluble
- Ignition point:	(FIT) about 390 °C
- Decomposition temperature:	> 150 °C time-dependent
- Further details:	none

### 4. Stability and Reactivity

<b>Dangerous reactions:</b>	None
<b>Thermal decomposition:</b>	None, under normal conditions of use.
In not suitable processing conditions, a thermal decomposition cannot be excluded.	
<b>RENOLIT</b>	date of issue: 19 June 2012



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Thermal decomposition may produce the following: carbon monoxide, carbon dioxide, acrylic monomers, nitrogen oxides, flammable mixtures

**Further details:** None

### 5. Hazards identification

**Description of hazards:** No hazards under conditions of use according to purpose

**Special hazards for human beings and environment:** No hazards under normal conditions of use

### 6. First-Aid measures

**General comments:** No need for particular precautionary measures

### 7. Fire fighting measures

**Suitable extinguisher means:**

Water, foam, CO<sub>2</sub>, dry extinguishing agents

**Special hazards:**

Under fire conditions, fumes can contain carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>), water vapour, acrylic monomers, and also hydrogen fluoride (HF).  
Explosive mixtures can arise due to decomposition.

**Personal protective equipment:**

In case of fire, a breathing protection with combination filter ABEK-CO NO and rubber boots are to be worn. In case of high concentration of fumes, a self-contained breathing apparatus is to be used

### 8. Accidental release measures

**Not applicable for such articles**



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### 9. Handling and storage

#### Technical protective measures:

No need for particular precautionary measures under normal conditions of use

#### Protection against fire and explosion:

General regulations for preventative fire protection are recommended.

Under unfavourable circumstances, especially in case of low relative humidity, a static electricity charge of the film can arise during uncoiling.

#### Storage:

In order to keep the properties of the film, it is advised to store it cool and dry in closed rooms. Do not expose directly to sun radiation and heat-sources.

### 10. Exposure controls / Personal protection

#### Technical Measures:

Measures against static electricity are to be taken (see Pos. 9). During thermal processing sufficient ventilation should be provided.

**Personal protective equipment:** Not necessary

**Skin protection:** Not necessary

**Eye protection:** Not necessary

**Industrial hygiene measures:** No need for particular precautionary measures

### 11. Toxicological information

According to present knowledge, no harmful effects get known at adequate use of such products.

### 12. Ecological information

#### Product is not soluble in water

Under adequate handling conditions, no negative effects on the environment and no hazards have been reported



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### 13. Disposal considerations

**Product:**

Recycling is possible: talk to Recycling-companies.

Recommendation for disposal: can be disposed with household waste, if in compliance with local or state laws and regulations

**Waste code:** AVV 070213 (plastic waste)

**Packaging:**

Recommendation for disposal: can be disposed with household waste, if in compliance with local or state laws and regulations

### 14. Regulatory information

**Labelling:**

Labelling according to EC-regulation: No labelling is necessary

Labelling according to hazardous material regulation: No labelling is necessary

Water hazard classification: Not water hazardous  
(Self-assessment)

**Other regulations, limitations:**

According to the Regulations (EU) No 10/2011 and (EC) No 1935/2004 the product is **not** suitable with regard to present formulation for plastic materials and articles intended to come into contact with food.

### 15. Transport information

No dangerous goods according to transport regulations



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### 16. Other information

#### **Recommended uses, restrictions:**

This data sheet is based upon current knowledge and experience. The details do not have the meaning of property assurances. For warranties and liabilities our general terms of delivery and sales conditions are valid.

**Further information:**      None

#### **Sources of most important information, given herein:**

Product information sheets and safety data sheets of raw material producers.