



## Technical article information sheet

in dependence on the regulation (EC) No 1907/2006 (REACH)

<b>RENOLIT SE</b>	<b>40.49.04.xxx</b>	<b>Version: 1.1</b>	<b>Revision date: 18.12.2013</b>	<b>Page 1 of 5</b>
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### 1. Article name and supplier identification

<b>Supplier:</b>	<b>RENOLIT SE</b>
<b>Business Unit:</b>	<b>RENOLIT DESIGN</b>
<b>Article-Name:</b>	<b>Covaren PETG</b>
<b>Article-Group:</b>	<b>40.49.04.xxx</b>
<b>Supplier identification:</b>	<b>RENOLIT SE</b> Headquarter Worms Horchheimer Str. 50 67547 Worms Germany Phone: +49.6241.303.0

### 2. Composition/Information on ingredients

<b>Chemical characterization:</b> Article based on PETG, lacquer, primer and modifier. Additionally printing ink is used.
<b>REACH-relevant information (in accordance to article 33 of the REACH regulation):</b> The article does not contain, in a concentration above 0,1 % (w/w), any substances included on the candidate list (status: December 16, 2013) set out according to article 59 (1, 10) of the REACH regulation. However it is not always possible to preclude low level raw material or film contamination of substances included on the candidate list and this might result in films containing such substances at trace level. Analysis of such substances does not necessarily form part of our quality control system.

### 3. Physical and chemical properties

<b>Physical state:</b> solid
<b>Odour:</b> slight characteristic odour
<b>Explosive limit:</b> none
<b>Density (23°C):</b> about 1,3-1,5 g/cm <sup>3</sup>
<b>Solubility in water (20°C):</b> practically not soluble
<b>Further details:</b> none



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RENOLIT SE	40.49.04.xxx	Version: 1.1	Revision date: 18.12.2013	Page 2 of 5
------------	--------------	--------------	---------------------------	-------------

### 4. Stability and Reactivity

**Dangerous reactions:** None

**Thermal Decomposition:** None, under normal conditions of use.

In not suitable processing conditions, a thermal decomposition cannot be excluded.

Thermal decomposition may produce the following: carbon monoxide, carbon dioxide, nitrogen oxides and flammable organic mixtures

**Further details:** None

### 5. Hazards identification

**Description of hazards:**

No hazards under conditions of use according to purpose

**Special hazards for humans and environment:**

No hazards under conditions of use according to purpose

### 6. First-Aid measures

No need for particular precautionary measures

### 7. Fire-fighting measures

**Suitable extinguishing agent:** Water spray jet, foam, CO<sub>2</sub>, solid extinguishing agents

**Not suitable extinguishing agent:** High volume water jet

**Special hazards:**

Under fire conditions, flue gases may contain carbon monoxide, carbon dioxide, water vapour and hydrogen chloride.

Explosive mixtures can arise due to decomposition.

**Personal protective equipment:**

Self-contained breathing apparatus



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RENOLIT SE	40.49.04.xxx	Version: 1.1	Revision date: 18.12.2013	Page 3 of 5
------------	--------------	--------------	---------------------------	-------------

### 8. Accidental release measures

Not applicable for such articles

### 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:**

Storage in cool, dry and closed rooms. Do not expose directly to sun radiation and heat sources.

### 10. Exposure controls and personal protection

**Technical measures:**

Measures against static electricity are to be taken. During thermal processing sufficient ventilation should be required.

**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 are known at adequate use of such articles.



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### 12. Ecological information

Product is not soluble in water.  
Under adequate handling conditions, no negative effects/hazards concerning the environment have been reported.

### 13. Disposal considerations

The article can be disposed, in accordance with the waste code AVV 070213 (plastic waste).  
Recycling is prior-ranking and therefore privileged before waste disposal.

### 14. Regulatory information

#### Labelling:

Labelling according to EC-regulations: no labelling necessary

Labelling according to hazardous material regulation: no labelling necessary

Labelling according to Störfall-Verordnung: no labelling necessary

Wassergefährdungsklasse (water hazard class): 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.

The formulation of the article does not contain any substances above the ceiling concentration mentioned in Annex II of the directive 2011/65/EU (RoHS-directive, status: June 8, 2011) and is therefore fully compliant with the terms.

### 15. Transport information

No dangerous goods according to transport regulations



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### 16. Other information

**Additional information:**

We provide this product information on the basis of our current knowledge and experience. The details do not have the meaning of property assurances. We cannot give any warranty nor assume any responsibility for factors outside our control or knowledge. For warranties and liabilities our general terms of delivery and sales conditions are valid.

**Further information:** None

**Sources for data:**

Product information sheets and safety data sheets of raw material producers