



Technical article information sheet

on the basis of 1907/2006/EG

Product: RENOLIT <i>ALKOREN / COVAREN</i>	40.xx.xx	Version: G	as on: April 1, 2010	Page 1 of 5
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1. Article name and supplier identification

Article-name:	RENOLIT DESIGN 3D Foil RENOLIT ALKOREN / COVAREN
Product-number:	40.xx.xx plain / printed complete numbers: see appendix on page 5
Supplier:	RENOLIT AG Postfach 1940 D 67 509 Worms / Rhein Germany Phone: +49 6241.303.0

2. Composition / Information on ingredients

Chemical characterization:
Article based on polyvinyl chloride, plasticizer, modifier, additives, primer and optionally lacquer. (Details see in technical product information)
REACH-relevant information (in accordance to Article 33 of the REACH regulation):
The article does not contain , in a concentration above 0,1% (w/w), any of the substances included on the candidate list (status: January 13, 2010) 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 1,3-1,5 g/cm ³
- Solubility in water (20°C):	practically not sol uble
- Further details:	none



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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, acrylic monomers, nitrogen oxides, flammable mixtures
Further details:	None

5. Hazards identification

Discription 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
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7. Fire fighting measures

Suitable extinguisher means: Water, foam, CO ₂ , dry extinguishing agents
Special hazards: Under fire conditions, fumes can contain carbon monoxide (CO), carbon dioxide (CO ₂), water vapour, acrylic monomers, and also hydrogen chloride (HCl). 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



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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:

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.



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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.

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: EAK-No. 170203 (plastic)

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:

The product is not suitable with regard to present formulation for necessary products defined by the food regulations as well as for food packaging. According to Annex XVII of Regulation (EC) No. 1907/2006 (REACH-regulation) the use of the product for toys and baby articles is forbidden if these can be put in the mouth.



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15. Transport information

No dangerous goods according to transport regulations

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.

Appendix:

This Technical article information sheet is valid for following DESIGN articles:

40 40 03	40 42 14	40 45 04	40 48 03
40 40 04	40 42 24	40 46 03	40 48 04
40 40 08	40 43 03	40 46 04	40 48 06
40 41 03	40 43 04	40 46 06	
40 41 04	40 43 13	40 46 07	
40 42 03	40 43 14	40 46 23	
40 42 04	40 44 03	40 46 24	
40 42 05	40 44 04	40 46 26	
40 42 06	40 44 06	40 47 03	
40 42 07	40 45 03	40 47 04	