

## 1. description of item production and manufacture

**Trade name:** ORAGUARD® 283

**Use:** laminating and mounting film

### manufacturer

Orafol Europe GmbH

Orafolstrasse 2

D - 16515 Oranienburg

Tel.: + 49 03301 864 0

Fax.: + 49 03301 864 100

E-mail address: p.kanert@orafol.de

### Emergency Telephone

Information centre for symptom of poisoning Berlin + 49 030 19 240

## 2. possible dangers

**risk to human beings and environment:** none

## 3. composition / information about components

### chemical characteristics

polyurethane - film

polyacrylate adhesive

silicone - coated paper

### Dangerous contents

none according to our current knowledge

## 4. recommendations for first medical aid

### general information

after inhalation none

after contact with the skin none

after contact with the eyes none

after having swallowed up none

special information for the doctor none

## 5. recommendation for fire fighting

**suitable fire extinguishing media** all types

**fire extinguishing media which are not suitable for safety reasons**



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None

**special danger by the material itself and from combustion products**

hazardous decomposition products at flame temperature: carbon dioxide, carbon monoxide.

**special protecting equipment** none

**additional information** none

## 6. recommendations in case of unintentional escape

**recommendations in respect of persons:** none

**recommendations regarding environment:** none

**recommendatin for cleaning:** none

**additional information:** none

## 7. handling and storage

**information for use with danger**

none

**information regarding fire prevention and explosion**

none

**requirements to storage places and storage containers**

none

**further information**

none

## 8. limitation of exposition and personal protective equipment

**supplementary information regarding construction of technical plants**

none

**contents regarding working place and threshold values that have to be supervised**

not applicable

**personal protective equipment**

breathing protection not necessary

hand protection not necessary

eye protection not necessary

body protection not necessary

hygiene recommendatin as usual regarding working place

## 9. physical and chemical properties

**phenotype**



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appearance	solid
colour	transparent
odour	none

**data regarding security**

pH-value	not applicable
boiling point	not applicable
melting or fusing point	not applicable
flash point	not applicable
flammability on solid bases	not applicable
flammability of gases:	not applicable
flammable temperature	not applicable
spontaneous ignition of the solid	not applicable
spontaneous ignition of the gas	not applicable
properties assisting inflammation	not applicable
danger of explosion	not applicable
limits of explosion	not applicable
consistency/density	not applicable
water solubility/fat solubility	not applicable
viscosity	not applicable

**10. stability and reactivity**

conditions to be avoided	not applicable
substances to avoid	not applicable
dangerous decomposition of products	none in case of appropriate use

**11. information regarding toxicology**

**acute toxicology**

**classification limit LD<sub>50</sub>/LC<sub>50</sub>-value**

oral	not determined
dermatologic	not determined
inhalative	not determined

**irritating effects**

to skin	not applicable
to eyes	not applicable

**sensitizing effects**

look to general remarks

**experience from the practical use**

experience classification	not applicable
other experience	not applicable

### general remarks

Due to generally increasing allergic influences direct contact to the tacky surface should be avoided as far as possible as specific reactions to human skin cannot be excluded.

## 12. information regarding ecology

**information regarding elimination**      not determined  
(product life and decomposition)  
environmental properties                      not applicable

### eco- toxic reactions

aquatic effects                                      generally speaking no danger to water  
(self classification)  
additional ecologic informations              none

## 13. information regarding recycling

**recommendation** : waste class similar to household waste, is to be recycled according to the local regulations

## 14. information regarding transportation

**additional information:** *not classified as a dangerous product in respect to transportation regulations*

## 15. prescription / instructions

no dangerous product / composition in respect to the classification of risks EEC  
No: 594/91 dated 4.3.91 is stuck to, also No: 67/548 (very toxic materials).  
R phrases: none  
S phrases: none

## 16. other information

All information given in this certificate is based on our current knowledge and experience; the figures and individual information do not describe any technical data of a product and do not constitute a warranty of properties as defined by technical specifications.