

## 1. description of item production and manufacture

**Trade name:** ORALITE ® 5860

**Use:** self-adhesive retroreflective 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

Information:

Tel.: + 49 03301 864 318

### 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**

acrylic film

polyacrylate adhesive

polypropylene film, silicone coated

### **Dangerous contents**

Do not contain hazardous substances neither substances of the "Candidate List of Substances of Very High Concern for authorisation" ECHA (REACH) concentration >0,1 % (w/w) (Relating: film + adhesive)

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This information is based on our current knowledge and practical experience. It cannot be excluded that minor traces are included in the materials due to contamination of single raw material components which cannot be avoided from the technical point of view. Routine analyses of our products concerning contents of the above-mentioned components are not carried out. For factors which are beyond our knowledge and control any guarantee and liability cannot be accepted.

The statement refers to our current production. Old stock could deviation from the assessment.

#### 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

water spray mist, dry extinguishing agent, carbon dioxide, foam

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

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



Europe GmbH

Safety Data Sheet according to  
(EG)1907/2006

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**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**

|            |                           |
|------------|---------------------------|
| appearance | solid                     |
| colour     | according to desired tint |
| 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**

|  |                |
|--|----------------|
| <b>information regarding elimination</b><br>(product life and decomposition) | not determined |
| environmental properties   | not applicable |

**eco- toxic reactions**

|                                  |  |
|----------------------------------|--|
| aquatic effects                  | generally speaking no danger to water<br>(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

Comply with regulation RoHS Compliance EU Directive 2011/65

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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).

H phrases: none

P phrases: none

**National regulations:** Germany

Water hazard class – no hazardous for water

## 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.