



Europe GmbH

Safety Data Sheet according to (EG)1907/2006

ORALITE ® 5810 high intensity grade

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Version 01/ 13
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1. description of item production and manufacture

Trade name: ORALITE ® 5810

Use: self-adhesive retroreflective film

manufacturer

Orafol Europe GmbH

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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

acrilfilm

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)

* The original components which are used in the formulation of these products form the basis of evaluation. This statement refers to the condition when leaving the factory ORAFOL Europe GmbH in Oranienburg.

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

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 LD₅₀/LC₅₀-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 elemination (product life and decomposition)	not determined
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

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.