

# Safety data sheet in accordance with 1907/2006/EC

**Trade name:** Pelikan Film Carbon

**Product no.:** film carbon

**Current version :** 1.0.0, issued: 17.12.2013

**Replaced version:** -, issued: -

**Region:** GB

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Trade name

**Pelikan Film Carbon**

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture

Carbonless paper / -film

### 1.3 Details of the supplier of the safety data sheet

Address

Pelikan Vertriebsgesellschaft mbH & Co. KG

Postfach 11 07 55

30102 Hannover

GERMANY

Telephone no. +49 (0) 511 69 69 - 0

Information provided by / telephone

Chemical Laboratory

Tel.: +49 (0) 5171 - 299 - 0

Fax.: +49 (0) 5171 - 299 - 249

Advice on Safety Data Sheet

sdb\_info@umco.de

### 1.4 Emergency telephone number

+49 (0) 5171 - 299 - 0 (Mo - Th 9 am - 3 pm, Fr 9 am - 1 pm)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification information

This product does not meet the classification and labelling criteria given in the Dangerous Preparations Directive (1999/45/EC; DPD)

### 2.2 Label elements

Not relevant

### 2.3 Other hazards

No data available.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable. The product is not a substance.

### 3.2 Mixtures

Chemical characterization

PETP-foil, covered with PVC/PVAc, vegetable oils and colour pigments.

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## Hazardous ingredients

No	Substance name	Additional information	
	CAS / EC / Index / REACH no	Classification 67/548/EEC	Concentration
			%
1	<b>Talc</b>		
	14807-96-6 238-877-9 - -	-	> 5.00 - < 10.00 %b.w.
2	<b>CARBON BLACK</b>		
	1333-86-4 215-609-9 - -	-	> 5.00 - < 10.00 %b.w.
3	<b>titanium-dioxide</b>		
	13463-67-7 236-675-5 - -	-	> 5.00 - < 10.00 %b.w.

Full Text for all R-phrases: pls. see section 16

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### After inhalation

not applicable

#### After skin contact

Wash off with soap and water.

#### After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Seek medical assistance.

#### After ingestion

By continuous complaints consult a physician.

### 4.2 Most important symptoms and effects, both acute and delayed

No data available.

### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Extinguishing powder; Foam; Carbon dioxide; Water mist

#### Unsuitable extinguishing media

High power water jet

### 5.2 Special hazards arising from the substance or mixture

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide, carbon dioxide and smoke.

### 5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

No special measures necessary.

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## For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

## 6.2 Environmental precautions

No special measures necessary.

## 6.3 Methods and material for containment and cleaning up

Take up mechanically. Send in suitable containers for recovery or disposal.

## 6.4 Reference to other sections

No data available.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Advice on safe handling

No special measures necessary.

#### General protective and hygiene measures

No special measures necessary.

#### Advice on protection against fire and explosion

Keep away from sources of ignition - refrain from smoking.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Technical measures and storage conditions

Keep dry in a cool, well-ventilated place. Protect of heat.

#### Advice on storage assembly

None known

### 7.3 Specific end use(s)

No data available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

No	Substance name	CAS no.	EC no.
1	Talc	14807-96-6	238-877-9
	List of approved workplace exposure limits (WELs) / EH40		
	Talc		
	respirable dust		
	TWA	1	mg/m <sup>3</sup>
2	CARBON BLACK	1333-86-4	215-609-9
	List of approved workplace exposure limits (WELs) / EH40		
	Carbon black		
	STEL		
	TWA	7	mg/m <sup>3</sup>
		3.5	mg/m <sup>3</sup>
3	titanium-dioxide	13463-67-7	236-675-5
	List of approved workplace exposure limits (WELs) / EH40		
	Titanium dioxide		
	total inhalable dust		
	TWA	10	mg/m <sup>3</sup>
	List of approved workplace exposure limits (WELs) / EH40		
	Titanium dioxide		
	respirable dust		
	TWA	4	mg/m <sup>3</sup>

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## 8.2 Exposure controls

**Appropriate engineering controls**

No data available.

**Personal protective equipment**

**Respiratory protection**

No special measures required.

**Eye / face protection**

No special measures required.

**Hand protection**

No special measures required.

**Environmental exposure controls**

No data available.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Form/Colour</b>			
Film			
blue; black			
<b>Odour</b>			
characteristic			
<b>Odour threshold</b>			
No data available			
<b>pH value</b>			
No data available			
<b>Boiling point / boiling range</b>			
No data available			
<b>Melting point / melting range</b>			
Value	225	- 260	°C
<b>Decomposition point / decomposition range</b>			
Value	>	260	°C
<b>Flash point</b>			
No data available			
<b>Ignition temperature</b>			
Value	>=	480	°C
<b>Auto-ignition temperature</b>			
Value	>=	480	°C

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## **Oxidising properties**

No data available

## **Explosive properties**

No data available

## **Flammability (solid, gas)**

No data available

## **Lower flammability or explosive limits**

No data available

## **Upper flammability or explosive limits**

No data available

## **Vapour pressure**

No data available

## **Vapour density**

No data available

## **Evaporation rate**

No data available

## **Relative density**

No data available

## **Density**

Value	1.39	-	1.41	g/ml
Reference temperature			23	°C

## **Solubility in water**

Remarks	insoluble
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## **Solubility(ies)**

No data available

## **Partition coefficient: n-octanol/water**

No data available

## **Viscosity**

No data available

## **9.2 Other information**

### **Other information**

No data available.

## **SECTION 10: Stability and reactivity**

### **10.1 Reactivity**

No data available.

### **10.2 Chemical stability**

Stable under recommended storage and handling conditions (See section 7).

### **10.3 Possibility of hazardous reactions**

None, if handled according to order.

### **10.4 Conditions to avoid**

Hot surfaces and open flames; Heat

### **10.5 Incompatible materials**

None known.

### **10.6 Hazardous decomposition products**

No hazardous decomposition products known.

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute oral toxicity

No data available

#### Acute dermal toxicity

No data available

#### Acute inhalational toxicity

No data available

#### Skin corrosion/irritation

No data available

#### Serious eye damage/irritation

No data available

#### Respiratory or skin sensitisation

No data available

#### Germ cell mutagenicity

No data available

#### Reproduction toxicity

No data available

#### Carcinogenicity

No data available

#### STOT-single exposure

No data available

#### STOT-repeated exposure

No data available

#### Aspiration hazard

No data available

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## SECTION 12: Ecological information

### 12.1 Toxicity

#### Toxicity to fish (acute)

No data available

#### Toxicity to fish (chronic)

No data available

#### Toxicity to Daphnia (acute)

No data available

#### Toxicity to Daphnia (chronic)

No data available

#### Toxicity to algae (acute)

No data available

#### Toxicity to algae (chronic)

No data available

#### Bacteria toxicity

No data available

### 12.2 Persistence and degradability

No data available.

### 12.3 Bioaccumulative potential

No data available.

### 12.4 Mobility in soil

No data available.

### 12.5 Results of PBT and vPvB assessment

No data available.

### 12.6 Other adverse effects

No data available.

### 12.7 Other information

#### Other information

Do not discharge product unmonitored into the environment.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

#### Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

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## SECTION 14: Transport information

### 14.1 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

### 14.2 Transport IMDG

The product is not subject to IMDG regulations.

### 14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

### 14.4 Other information

No data available.

### 14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

### 14.6 Special precautions for user

No data available.

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EU regulations

**Directive 1999/13/EC on the limitation of emissions of volatile organic compounds due to the use of organic solvents (VOC Directive)**

VOC content 0 %

#### **Restriction of occupation**

Adhere to the national sanitary and occupational safety regulations when using this product.

**Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances**

Remarks Annex I, part 1 + 2: not mentioned. With regard to possibly appropriate decomposition products see Chapter 10.

### 15.2 Chemical safety assessment

No data available.

## SECTION 16: Other information

#### **Further information**

Not suitable for children under 3 years.

#### **Sources of key data used to compile the data sheet:**

EC Directive 67/548/EC resp. 1999/45/EC as amended in each case.

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

#### **Department issuing safety data sheet**

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This information is based on our present state of knowledge and experience.

The security data sheet describes products with a view to the security requirements.

However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.



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