

# EC Safety Data Sheet

Decosilk Art deep black



Date of issue / Reference

19.09.02 HB

Replaces version of

29.11.01

Date of printing

19.11.2002 Sheet no. **39820**

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Company

MICROCHEM, P.O. Box 431, 8703 Erlenbach / Switzerland  
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## 1 Commercial product name and supplier

1.1	Commercial product name / designation	<b>Decosilk Art deep black</b> <b>particle sizes: 10; 20; 90; 200</b>
1.1.1	Synonym	Colored Polymethylmethacrylate
1.1.2	Molecular formula	$(C_5H_8O_2)_x$
1.2	Application / use	Additive for paints and coatings
1.3	Producer	MICROCHEM, CH-8703 Erlenbach
1.4	Supplier	MICROCHEM, CH-8703 Erlenbach
1.5	TOX emergency number	01 / 251 51 51 ( Toxicological Information Centre, Zurich, CH )
1.6	BAG T Nr. / EDV-No.	614100
1.7	CAS No.	9011-14-7

## 2 Composition

2.1	Chemical characterisation	97% Polymethylmethacrylate 3% Carbon black (CAS No.: 1333-86-4; CI 7-77266)
2.2	Hazardous components	Does not contain any dangerous substances according to the criteria of the EC (Council Directive 88/379/EEC).
2.3	Further information	

## 3 Hazards identification

danger of dust explosion

## 4 First aid measures

4.1	Eye contact	Flush copiously with water for at least 15 minutes whilst keeping the eyes wide open.
4.2	Skin contact	Wash well with plenty of water and soap.
4.3	Ingestion	Consult a physician who will decide on need and method of emptying the stomach.
4.4	Inhalation	Take into fresh air.
4.5	Further information	
4.6	Data sheet no. from the SFV file	-

## 5 Fire-fighting measures

5.1	Suitable extinguishing media	Water spray, foam
5.2	Extinguishing media to avoid	Carbon dioxide, powder

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- |     |                               |  |
|-----|-------------------------------|--|
| 5.3 | Personal protective equipment | Wear self-contained breathing apparatus.   |
| 5.4 | Further information           | Keep containers cool by spraying with water. Potential hazard of dust explosion. |

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6	<b>Accidental release measures</b>	Minimise dust generation while collecting the spill.
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## 7 Handling and storage

- |     |                                |  |
|-----|--------------------------------|--|
| 7.1 | Handling                       | Avoid dust formation. No other special precautions required. |
| 7.2 | Industrial hygiene             | Keep normal hygienic steps.                                  |
| 7.3 | Storage                        | Keep containers tightly closed.                              |
| 7.4 | Place of storage               | Store in a dry place   |
| 7.5 | Fire- and explosion protection | Keep away from ignition sources. (risk of dust explosion)    |
- 

## 8 Exposure controls / personal protection

- |       |                               |                    |
|-------|-------------------------------|--------------------|
| 8.1   | Technical measures            |                    |
| 8.2   | Control of threshold limits   |                    |
| 8.3   | Personal protective equipment |                    |
| 8.3.1 | Respiratory protection        | dust mask          |
| 8.3.2 | Hand protection               | protective gloves. |
| 8.3.3 | Eye protection                | Safety glasses.    |
| 8.3.4 | Other                         |                    |
- 

## 9 Physical and chemical properties

Test method:

- |      |                          |   |           |
|------|--------------------------|---|-----------|
| 9.1  | Appearance               | solid   |           |
| 9.2  | Color                    | black   |           |
| 9.3  | Odour                    | almost odourless  |           |
| 9.4  | Change of physical state |   |           |
| 9.5  | Density                  | 1.17 g/cm <sup>3</sup> (20°C)                                     |           |
|      | bulk density             | 550 - 700 kg/m <sup>3</sup>                                       | DIN 53194 |
| 9.6  | Vapour pressure          | n.a.  |           |
| 9.7  | Viscosity                | n.a.  |           |
| 9.8  | Solubility in water      | insoluble (20 °C)   |           |
| 9.9  | pH                       | 6.5 - 7.5<br>(as concentration 100 g/l H <sub>2</sub> O at 20 °C) |           |
| 9.10 | Flash point              | not known   |           |
| 9.11 | Ignition temperature     | 450 °C  | BAM       |

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9.12 Explosion limits Lower: vol.%  
Upper: vol.%

9.13 Further information

## 10 Stability and reactivity

10.1 Thermal decomposition > 220 °C  
10.2 Hazardous decomposition products None under normal conditions  
10.3 Hazardous reactions None  
Explosion class ST2 (danger of dust explosion)  
10.4 Further information

## 11 Toxicological information

11.1 Acute toxicity Non toxic  
Irritation / Cauterization Eyes, respiratory tract  
11.2 Subacute / chronic toxicity  
11.3 Further information

## 12 Ecological information

Category of water hazard CH - D 0  
Toxicity to daphnia  
Toxicity to fish Not toxic against "Goldorfen".  
Biodegradability n.a.  
Indication of danger  
The product is insoluble. Removal from wastewater is possible by filtration or sedimentation.

## 13 Disposal considerations

13.1 EC waste key This code depends on the industrial application for the product, and must therefore be determined by the user himself. We will be pleased to assist our customers in respect of this  
13.2 Swiss waste code 1630 Solid paint and adhesive waste  
13.3 Origin

## 14 Transport information

14.1 Transport at land: RID / ADR Class Ciphers  
Warning label UN-No. Kemler No.  
Packing group  
Overland statement  
14.2 Transport at sea: UN-No.  
IMDG-code page  
EMS  
MFAG  
Sea transport statement

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14.3	Air transport: ICAO / IATA-DGR		
	UN-No.		
	PSN		
	Subsidiary risk		
	Labels		
	Packing group		
	Passenger aircraft	Packing Instruction	max.
	Cargo aircraft only	Packing Instruction	max.
14.4	Further information	<b>Product is not classified for any mode of transportation.</b>	

15	<b>Regulatory information</b>	This product does not require classification according to the criteria of the EC and the 'Gefahrstoffverordnung'.	
15.1	UN-No.		
15.2	Swiss toxicity class	free	
15.3	EC-No.		
15.4	EINECS-No.	n.kl.	
15.5	Hazard symbols		
15.6	Hazard designation	-	
15.7	Risk phrases	<b>R:</b> -	
15.8	Safety phrases	<b>S:</b> -	
15.9	MAK value	6 mg/m <sup>3</sup> dust	
15.10	CEA classification	F4 s PN4	
15.11	VbF (D)		
15.12	Further information		

16	<b>Other information</b>	The product is registered in the following lists: TSCA, DSL
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**Abbreviations: n.a. = not applicable; n.d. = not determined;  
n.cl. = not classified.**

The above mentioned data correspond to our present state of knowledge and experience. The safety data sheet serves as description of the products in regard to necessary safety measures. The indications do not imply any guarantee of a property.

*Alle vorstehenden Angaben entsprechen dem heutigen Stand unserer Kenntnisse und Erfahrungen.  
Das Sicherheitsdatenblatt dient der Beschreibung der Produkte im Hinblick auf  
Sicherheitserfordernisse. Diese Angaben stellen keine Zusicherungen von Eigenschaften dar.*