

EC Safety Data Sheet

Decosoft yellow perm



Date of issue / Reference

05.11.01 PH

Replaces version of

11.04.01

Date of printing

19.11.2002 Sheet no. **39750**

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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

Decosoft yellow perm
particle sizes: 15/18

1.1.1 Synonym

Coloured Polyurethane

1.1.2 Molecular formula

$C_{12}H_{18}N_2O_2 * C_3H_8O_3 * 3(C_3H_6O * C_2H_4O)_x$

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.

138626-39-8

2 Composition

2.1 Chemical characterisation

93 % Polyurethane;
7 % Novoperm yellow (CAS-No.: 29920-31-8; CI: 120-11783)

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

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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.

6	Accidental release measures	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	yellow	
9.3	Odour	odourless	
9.4	Change of physical state fusing temperature	ca. 140 °C	
9.5	Density bulk density	1.12 g/cm ³ (20°C) 500 kg/m ³	DIN 53194
9.6	Vapour pressure	n.a.	
9.7	Viscosity	n.a.	
9.8	Solubility in water	(20 °C) insoluble	
9.9	pH	6.5 - 7.5 (as concentration 100 g/l H ₂ O at 20 °C)	
9.10	Flash point	not known	
9.11	Ignition temperature	350 °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 > 200 °C
10.2 Hazardous decomposition products None under normal conditions
10.3 Hazardous reactions None
Explosion class ST1 (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
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 Cargo aircraft only	Packing Instruction Packing Instruction	max. max.
14.4	Further information	Product is not classified for any mode of transportation.	

15	Regulatory information	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	R: -	
15.8	Safety phrases	S: -	
15.9	MAK value	6 mg/m ³	
15.10	CEA classification	F4 s PN4	
15.11	VbF (D)		
15.12	Further information		

16	Other information	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.