

parmetol® DF 17

Versatile fungicidal film preservative for interior application

- Wet-ground dispersion of fungicidal actives
- Halogen free
- Excellent protection for various kinds of coatings, especially recommended for indoor application
- Broad spectrum of efficacy

Active substance		
EINECS-Name:	CAS-No.:	EC-No.:
2-Octyl-2H-isothiazol-3-one	26530-20-1	247-761-7
Carbendazim	10605-21-7	234-232-0

Physico-chemical properties	
Colour	white - light beige
Form	dispersion
Odour	odourless
Density (20 °C)	1.020 - 1.040 g/ml
Initial boiling point	ca. 100 °C
Flash point (ISO 2719)	> 100 °C
Viscosity (DIN 53019 - 20 °C)	350 - 800 mPa*s
Water solubility (20 °C)	< 0.01 g/l
VOC-Content to Directive 2004/42/EC	3.3 %

Fields of application

The recommended use levels relate to the total formulation in each case. The values given are recommended guidelines. Use levels > 1.2 % have to be labelled within the EC (29. ATP). Details can be seen from the separate Schülke labelling sheet.

Use biocides safely. Always read the label and product information before use.

	Recommended dosage	
Dispersion paints	5 - 20 g/kg	(0.5 - 2.0 %)
Textured coatings/ plasters	5 - 15 g/kg	(0.5 - 1.5 %)
Glues, adhesives	3 - 10 g/kg	(0.3 - 1.0 %)
Sealants	3 - 10 g/kg	(0.3 - 1.0 %)
Plastics	2 - 15 g/kg	(0.2 - 1.5 %)

Indications for use	
Recommended use pH range	3 - 10
Maximum use temperature	> 100 °C (short periods during drying process)
Additional advice	The product should not be added to the aqueous phase. Product should be homogenised before use. Cleaning of equipment is possible by rinsing with water.

Microbiological efficacy

Parmetol® DF 17 is especially suitable for the protection against fungal attack for plasters for facade insulation systems and other thick-layer coating systems. The efficacy of Parmetol® DF 17 was proven through extensive lab testings with common facade and plaster coatings on the market according to the methods SM 022/023 (analogous VdL RL 06/07) against the following germs:
Alternaria alternata, *Aspergillus niger*, *Penicillium funiculosum*.

The optimum use level for the required efficacy can only be evaluated by means of suitable test methods with the finished product (e.g. in co-operation with the Schülke Technical and Microbiological dept). Parmetol® DF 17 does not provide an in-can preservation. For this we recommend the use of a suitable in-can preservative such as Parmetol® A 26.

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Compatibility*

The product is compatible with almost all raw materials which would normally be used for production of water based systems. The materials used with Parmetol® DF 17 should be water resistant. Individual tests including our technical and microbiological support can be carried out at any time.

*Compatibility has to be proved in each case

Labelling

R-phrases(s)	R20/21, R43, R46, R51/53, R60, R61
S-phrases(s)	S35, S36/37, S45, S53, S60, S61
Labelling	T (Toxic), N (Dangerous for the environment)
	For further hazard instructions and safety advice please refer to the actual material safety data sheet.

Environmental information

Dilutions of Parmetol® DF 17 do not normally interfere with the operation of waste water treatment plants. The canisters and drums used by Schülke are made of polyethylene (HDPE) and are labelled accordingly. The containers are covered by a return scheme that ensures collection of the used containers free of charge and appropriate reuse all over Europe. The labels are made of PE. Schülke packaging materials contain no PVC and can be recycled. For further information please ask for our detailed environmental report.

Listings and approvals of active ingredients

EINECS / ELINCS (Europe)
TSCA (USA)
ECL (Korea)
DSL / NDSL (Canada)
ENCS (Japan)
PICCS (Philippines)
AICS (Australia)
IECSC (China)

Transport & Storage

Dangerous goods	Yes
UN-Number	3082
Packaging group	III
Package sizes	25 kg, 1000 kg
Shelf life	12 Months
Storage	Protect from frost, heat and direct sunlight. Store at room temperature in the original container.

Schülke subsidiaries:



Belgium

S.A. Schülke & Mayr
Belgium N.V.
1830 Machelen
Tel. +32-02-479 73 35
Fax +32-02-479 99 66

The Netherlands

Schülke & Mayr Benelux B.V.
2003 LM-Haarlem
Tel. +31-23-535 26 34
Fax +31-23-536 79 70

China

Schülke & Mayr GmbH
Shanghai Representative Office
Shanghai 200041
Tel. +86-21-62 17 29 95
Fax +86-21-62 17 29 97

Switzerland

Schülke & Mayr AG
8003 Zürich
Tel. +44-466 55 44
Fax +44-466 55 33

France

S & M France
75341 Paris Cedex 07
Tel. +33-1-44 11 00 81
Fax +33-1-44 11 02 41

The United Kingdom

Schülke & Mayr UK Ltd.
Sheffield S9 1 AT
Tel. +44-1142-54 35 00
Fax +44-1142-54 35 01

Italy

Schülke & Mayr Italia S.r.l.
20148 Milano
Tel. +39-02-40 21 820
Fax +39-02-40 21 829

Other Distributors:

Argentina · Australia · Austria · Belarus · Benin · Brazil · Bulgaria · Canada · Croatia · Czech Republic · Denmark · Egypt · Estonia · Finland · Ghana · Greece · Hong Kong · Hungary · India · Indonesia · Iran · Israel · Japan · Jordan · Korea · Kuwait · Latvia · Lebanon · Lithuania · Macedonia · Malaysia · New Zealand · Nigeria · Norway · Oman · Philippines · Poland · Portugal · Russia · Saudi Arabia · Singapore · Slovakia · Slovenia · South-Africa · Spain · Sweden · Syria · Taiwan · Thailand · Turkey · Ukraine · United Arab Emirates · USA · Vietnam · Yemen

Our recommendations regarding our products are based on in-depth scientific testing in our Research Department; they are given in good faith, but no liability can be derived from them. It is the responsibility of the final product manufacturer to assure that claims made for the final product are in conformance with all applicable local laws. In other respect our Conditions of Sale and Supply apply.

Schülke & Mayr GmbH
22840 Norderstedt
Germany
Tel. +49 40 52100-0
Fax +49 40 52100-244
www.schuelke.com
sai@schuelke.com