

# Sicherheitsdatenblatt gemäß 1907/2006/EG

Artikel: **series 10 - MUSSINI**

Version: 2

Druckdatum 10.11.2014

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

### 1.1 Product identifier

Name: identification of the substance series 10 - MUSSINI

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

General use Products for creation of art.

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

Manufacturer H. Schmincke & Co. GmbH & Co. KG  
 Otto-Hahn-Str. 2  
 D - 40699 Erkrath  
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 Fax. +49 (0) 211-2509-497  
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### Dept. responsible for information

Schmincke-lab:  
 mo-th 8.00-16.30,fr 8.00-13.30  
 Tel. +49 (0) 211-2509-474  
 labor@schmincke.de

### 1.4 Emergency telephone number

\* Name Emergencycall Berlin  
 (24h - counseling in german and english)  
 \* Phone # +49 (0) 30 / 30 68 67 90

## **SECTION 2: Hazards identification**

### 2.1 Classification of the substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC

Nature of Hazard

The product does not require a hazard warning label in accordance with EC directives/ GefStoffV (German regulations on dangerous substances).

### 2.2 Label elements

Labelling (67/548/EEC or 1999/45)

Nature of Hazard

The product does not require a hazard warning label in accordance with EC directives/ GefStoffV (German regulations on dangerous substances).

## **SECTION 3: Composition / information on ingredients**

### 3.1 Substances

Item Numbers: 00473-1004, 00473-1023, 00473-1033, 00473-1035, 00473-1089, 00473-1204, 00473-1243, 00473-1244, 00473-1733, 00473-2023, 00473-2026, 00473-2093, 00473-2094, 00473-2123, 00473-2131, 00473-2134, 00473-2213, 00473-2214, 00473-2253, 00473-2254, 00473-2263, 00473-2264, 00473-2323, 00473-2503, 00473-2504, 00473-2564, 00473-2613, 00473-3003, 00473-3004, 00473-3073, 00473-3093, 00473-3103, 00473-3153, 00473-3203, 00473-3283, 00473-3284, 00473-3333, 00473-3373, 00473-3374, 00473-3703, 00473-3723, 00473-3743, 00473-3744, 00473-3763, 00473-3783, 00473-3793, 00473-4003, 00473-4043, 00473-4053, 00473-4093, 00473-4123, 00473-4163, 00473-4164, 00473-4193, 00473-4203, 00473-4323, 00473-4513, 00473-4514, 00473-4523, 00473-4533, 00473-4553, 00473-4653, 00473-4753, 00473-4783, 00473-4793, 00473-4833, 00473-4923, 00473-4924, 00473-4933, 00473-4934, 00473-4963, 00473-5003, 00473-5033, 00473-5053, 00473-5054, 00473-5113, 00473-5153, 00473-5163, 00473-5183, 00473-5203, 00473-5204, 00473-5213, 00473-5223, 00473-5224, 00473-5253, 00473-5254, 00473-5263, 00473-5303, 00473-5304, 00473-5373, 00473-5383, 00473-5823, 00473-5893, 00473-5923, 00473-5993, 00473-5994, 00473-6003, 00473-6503, 00473-7003, 00473-7023, 00473-7093, 00473-7094, 00473-7103, 00473-7113, 00473-7123, 00473-7163, 00473-7193, 00473-7803, 00473-7903, 00473-7913, 00473-7923, 00473-7943, 00473-7973, 00473-7993, 00473-7994, 00473-8003, 00473-8043, 00473-8044, 00473-8053, 00473-8054, 00473-8063, 00473-8064, 00473-8073, 00473-8223, 00473-8243, 00473-8313, 00473-8314, 00473-8323, 00473-8353, 00473-8403, 00473-8404, 00473-8433, 00473-8483, 00473-8913, 00473-8914, 00473-8923, 00473-8953, 00473-8954, 00473-8963, 00473-8973

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Chemical characterization

dammar resin pigments additives natural oils essential oils mineral spirit  
siccative

## 3.2 Mixtures

Hazardous ingredients

White spirit: 2 % - 6 % CAS-Number: 64742-82-1  
R phrase(s): 65 - 66zinc oxide: 0 % - 70 % CAS-number: 1314-13-2  
R phrase(s): 50/53

Additional information

The colours 10 102, 103, 105, 203, 207, 224, 479, 485, 486, 487, 495, 529,  
784, 787, 788, 790, 792 contain zinc oxide. (see chapter 12)The colours 10 227, 228, 229, 230, 341, 356, 357, 511 contain cadmium  
containing pigments. The use of cadmium containing pigments is limited to  
artist colors.

further information: see appendix

## **SECTION 4: First aid measures**

## 4.1 Description of first aid measures

General information

In case of problems seek medical advice and show the package or label

## **SECTION 5: Firefighting measures**

## 5.1 Extinguishing media

Suitable extinguishing media

Dry chemical extinguisher Dry powder ABC powder Product itself is  
non-combustible; adapt fire extinguishing measures to surrounding areas.Extinguishing media which must not be  
used for safety reasons

Water Water spray jet

## **SECTION 6: Accidental release measures**

6.3 Methods and material for containment  
and cleaning up

Additional information

When picked up, treat material as prescribed under heading "Disposal".

## **SECTION 7: Handling and storage**

## **SECTION 8: Exposure controls/personal protection**

## 8.1 Control parameters

Exposure limit values: components

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## **SECTION 9: Physical and chemical properties**

### 9.1 information on basic physical and chemical properties

Physical state	Pasty
Colour	pigmented
Odour	characteristic
Density	
Density	1,6 - 3,1 g/ml

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

## **SECTION 11: Toxicological information**

### 11.1 Information on toxicological effects

#### General remarks

General remarks

By appropriate use of the product no health damage is known. A sensitization is possible for persons who are sensitive.

## **SECTION 12: Ecological information**

### 12.1 Toxicity

#### Aquatic toxicity

EC50 desmodemus subspicata : > 114 mg/l ... for all zinc oxide containing colours (Hydrotox; 05/2224)

## **SECTION 13: Disposal considerations**

### 13.1 Waste treatment methods

#### Product

Recommendation

080112 waste paint and varnish other than those mentioned in 080111

## **SECTION 14: Transport information**

### 14.6 Special precautions for user

#### Further information

The product does not constitute a hazardous substance in national / international road, rail, sea and air transport.

## **SECTION 15: Regulatory information**

## **SECTION 16: Other information**

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## R phrase(s)

R10 Flammable.  
 R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
 R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
 R65 Harmful: may cause lung damage if swallowed.  
 R66 Repeated exposure may cause skin dryness or cracking.  
 R67 Vapours may cause drowsiness and dizziness.

## Further information

This information is based on our current state of knowledge and describes the security standards applicable to our product for the purpose provided. The information provided here does not constitute a legally binding warranty of specific characteristics or of suitability for a specific application use of the product is thus to be adapted to the user's special conditions and checked by preliminary tests. We are thus unable to guarantee product characteristics or accept an liability for damage arising in connection with the use of our products.

art. no.	art. name	C.I.	CAS-no.
10 102	zinc white	PW 4	Zinc oxide .....1314-13-2
10 103	titanium opaque white	PW 4; PW 6	Zinc oxide; Titanium dioxide .....1314-13-2; 13463-67-7
10 105	translucent white	PW 4; PW 6	Zinc oxide; Titanium dioxide .....1314-13-2; 13463-67-7
10 206	flesh tint	PW 4; PY 42; PR 101	Zinc oxide; Hydrated iron oxide; Iron oxide .....1314-13-2; 20344-49-4; 1309-37-1
10 207	medival yellow	PW 4; PW 6; PY 53; PG 19	Zinc oxide; Titanium dioxide; Rutile (Ti, Ni, Sb); Spinel (Co, Zn) .....1314-13-2; 13463-67-7; 8007-18-9; 8011-87-8
10 208	yellowish green Ural	PY 53; PG 19	Rutile (Ti, Ni, Sb); Spinel (Co, Zn) .....8007-18-9; 8011-87-8
10 209	cadmium yellow tone	PY 155	Disazo .....68516-73-4
10 216	lemon yellow	PY 3	Monoazo .....6486-23-3
10 220	vanadium yellow light	PY 184	Bismutvanadat .....14059-33-7
10 221	vanadium yellow deep	PY 184	Bismutvanadat .....14059-33-7
10 223	Indian yellow	PY 153	Nickel-complex .....68859-51-8
10 224	brilliant yellow	PW 4; PY 53; PBr 24	Zinc oxide; Rutile (Ti, Ni, Sb); Rutile (Ti, Cr, Sb) .....1314-13-2; 8007-18-9; 68186-90-3
10 227	cadmium yellow 1 light	PY 35	Cadmium-zinc-sulphide .....8048-07-5; 7727-43-7
10 228	cadmium yellow 2 middle	PY 35	Cadmium-zinc-sulphide .....8048-07-5; 7727-43-7
10 229	cadmium yellow 3 deep	PO 20	Cadmiumsulfoselenide .....12656-57-4
10 230	cadmium orange	PO 20	Cadmiumsulfoselenide .....12656-57-4
10 231	Naples yellow light	PY 53; PBr 24	Rutile (Ti, Ni, Sb); Rutile (Ti, Cr, Sb) .....8007-18-9; 68186-90-3
10 232	Naples yellow deep	PBr 24	Rutile (Ti, Cr, Sb) .....68186-90-3
10 236	translucent yellow oxide	PY 42	Hydrated iron oxide .....20344-49-4
10 237	translucent orange oxide	PY 42; PR 101	Hydrated iron oxide; Iron oxide .....20344-49-4; 1309-37-1
10 238	translucent yellow	PY 150	Azo-nickel-complex .....68511-62-6
10 239	translucent orange	PO 71	Diketo-pyrrolo-pyrrol .....-
10 243	chrome orange tone	PO 67	Pyrazolochinazolone .....74336-59-7
10 340	brilliant scarlet	PR 242	Disazocondensation .....118440-67-8
10 341	cadmium red middle	PR 108	Cadmiumsulfoselenide .....58339-34-7; 7727-43-7
10 342	cadmium red tone	PR 242; PV 19	Disazocondensation; Quinacridone .....118440-67-8; 1047-16-1
10 343	madder root tone	PR 206	Quinacridone .....1047-16-1; 1503-48-6
10 344	madder lake brilliant	PR 209	Quinacridone .....3089-16-5
10 346	madder lake dark	PR 254; PV 42	Diketo-pyrrolo-pyrrol; Quinacridone .....122390-98-1; ...
10 347	alizarin madder lake	PR 83:1	Anthracinone, Al .....72-78-0
10 353	Florentine red	PR 179	Perylen .....5521-31-3
10 356	cadmium red light	PR 108	Cadmiumsulfoselenide .....58339-34-7; 7727-43-7
10 357	cadmium red deep	PR 108	Cadmiumsulfoselenide .....58339-34-7; 7727-43-7
10 358	carmine	PR 254; PV 19; PV 42	Diketo-pyrrolo-pyrrol; Quinacridone; 122390-98-1; 1047-16-1; Quinacridone .....-
10 363	translucent magenta	PR 122	Quinacridone .....980-26-7
10 364	vermillion red tone	PR 255	Diketo-pyrrolo-pyrrol .....120500-90-5
10 365	translucent red oxide	PR 101	Iron oxide .....1309-37-1
10 366	Caesar purple	PR 122	Quinacridone .....980-26-7
10 473	translucent violet	PV 23	Dioxazine .....6358-30-1
10 475	cobalt cerulean blue	PB 35	Spinel (Co, Sn) .....68187-05-3
10 477	translucent cyan	PB 15:3	Phthalocyanine (Cu) .....147-14-8
10 478	indigo	PB 66	Indigo, synthetic .....482-89-3
10 479	cobalt blue tone	PW 4; PB 15:6; PB 29	Zinc oxide; Phthalocyanine (Cu); .....1314-13-2; 147-14-8; Sodium-aluminium-silicate .....57455-37-5
10 480	cobalt blue light	PB 28	Spinel (Co, Al) .....1345-16-0
10 481	cobalt blue deep	PB 74	Phenakit (Co, Zn, Si) .....68412-74-8
10 482	cobalt violet	PV 14	Cobalt phosphate .....13455-36-2
10 485	royal blue light	PW 4; PW 6; PB 36	Zinc oxide; Titanium dioxide; .....1314-13-2; 13463-67-7; Spinel (Co, Al, Cr) .....68187-11-1
10 486	royal blue deep	PW 4; PB 29; PW 6; PB 15:3	Zinc oxide; Sodium-aluminium-silicate; .....1314-13-2; 57455-37-5; Titanium dioxide; Phthalocyanine (Cu) .....13463-67-7; 147-14-8
10 487	manganese cerulean blue	PW 4; PB 15:3; PB 16	Zinc oxide; Phthalocyanine (Cu); .....1314-13-2; 147-14-8; Phthalocyanine .....574-93-6
10 490	Prussian/Paris blue	PB 27	Iron-cyan-complex .....14038-43-8; 25869-98-1
10 491	ultramarine blue light	PB 29	Sodium-aluminium-silicate .....57455-37-5
10 492	ultramarine blue deep	PB 29	Sodium-aluminium-silicate .....57455-37-5
10 493	Delft blue	PB 60	Indanthrone .....81-77-6
10 494	indigo tone	PV 19; PB 60; PBk 10	Quinacridone; Indanthrone; Graphite .....1047-16-1; 81-77-6; 7782-42-5
10 495	Byzantine blue	PW 4; PB 60; PBk 11	Zinc oxide; Indanthrone; Iron oxide black .....1314-13-2; 81-77-6; 1317-61-9
10 496	translucent Oriental blue	PB 15:6	Phthalocyanine (Cu) .....147-14-8
10 497	translucent turquoise	PB 16	Phthalocyanine .....574-93-6
10 498	cobalt turquoise	PG 50	Spinel (Co, Ni, Zn, Ti) .....68186-85-6
10 510	chrome green tone light	PY 42; PY 155; PG 17	Hydrated iron oxide; Disazo; .....20344-49-4; 68516-73-4; Hematite (Cr) .....1308-38-9
10 511	chrome green tone deep	PW 21; PY 35; PO 20; PB 15:3	Cadmium-zinc-sulphide; .....6486-23-35; Cadmiumsulfoselenide; Phthalocyanine (Cu) .....12656-57-4; 147-14-8

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10 512	chromium oxide green .....	PG 18	Hydrated chromium oxide .....	12001-99-9
10 513	chromium oxide green deep .....	PG 17	Hematite (Cr) .....	1308-38-9
10 518	helio green deep .....	PG 7	Phthalocyanin (Cu, Cl) .....	1328-53-6
10 521	helio green light .....	PG 36	Phthalocyaninkomplex (Cu, Cl, Br) .....	14302-13-7
10 526	sap green .....	PY 150; PB 60	Azo-nickel-complex; Indanthrone .....	68511-62-6; 81-77-6
10 528	cobalt green opaque .....	PY 184; PG 50	Bismutvanadat; Spinel (Co, Ni, Zn, Ti) .....	14059-33-7; 68186-85-6
10 529	viridian .....	PW 4; PY 184; PG 18	Zinc oxide; Bismutvanadat; .....	1314-13-2; 14059-33-7; 12001-99-9
10 530	yellowish green .....	PY 42; PY 74; PG 7	Hydrated iron oxide; Monoazo; .....	20344-49-4; 6358-31-2; 1328-53-6
10 534	translucent golden green .....	PY 129; PG 7	Phthalocyanin (Cu, Cl) .....	1328-53-6
10 535	Oriental green .....	PG 19	Copper-complex; Phthalocyanin (Cu, Cl) .....	68859-61-0; 1328-53-6
10 536	turmaline green .....	PG 26	Spinel (Co, Zn) .....	8011-87-8
10 640	Verona green earth .....	PR 101; PG 18	Spinel (Co,Cr) .....	68187-49-5
10 644	yellow Sienna .....	PY 42; PR 101	Iron oxide; Hydrated chromium oxide .....	1309-37-1; 12001-99-9
10 645	asphaltum black translucent .....	PR 101; PV 19; PBk 7	Hydrated iron oxide; Iron oxide .....	20344-49-4; 1309-37-1
10 646	natural Bohemian green earth .....	PBr 7	Iron oxide; Quinacridone; .....	1309-37-1; 1047-16-1; 1333-86-4
10 647	Pompeian red .....	PR 101	Lamp black .....	1333-86-4
10 648	caput mortuum .....	PR 101	Earth pigment .....	-
10 651	English red .....	PR 101	Iron oxide .....	1309-37-1
10 653	deep ochre .....	PY 42; PY 43	Iron oxide .....	1309-37-1
10 656	Attish light ochre .....	PY 42	Hydrated iron oxide; Hydrated iron oxide .....	20344-49-4; 1309-37-1
10 660	raw Sienna .....	PR 101; PBr 7	Hydrated iron oxide .....	20344-49-4
10 661	natural burnt Sienna .....	PBr 7	Iron oxide; Earth pigment .....	1309-37-1; -
10 662	brown pink .....	PY 42; PY 153; PR 101; PG 7	Earth pigment .....	-
10 663	Pozzuoli earth .....	PR 101	Hydrated iron oxide; Nickel-complex; .....	20344-49-4; 68859-51-8;
10 664	natural raw umber .....	PY 42; PG 7; PBr 7	Iron oxide; Phthalocyanin (Cu, Cl) .....	1309-37-1; 1328-53-6
10 666	natural burnt umber .....	PBr 7	Iron oxide .....	1309-37-1
10 667	Vandyke brown .....	PR 101; PR 179; PBk 7	Hydrated iron oxide; Phthalocyanin (Cu, Cl); .....	20344-49-4; 1328-53-6;
10 669	translucent brown oxide .....	PR 101	Earth pigment .....	-
10 670	raw umber light .....	PBr 7	Earth pigment .....	-
10 672	mineral brown .....	PBr 33	Iron oxide; Perylen; Lamp black .....	1309-37-1; 5521-31-3; 1333-86-4
10 779	atrament black .....	PBk 31	Iron oxide .....	1309-37-1
10 780	ivory black .....	PBk 9	Earth pigment .....	-
10 781	lamp black .....	PBk 7	Spinel (Zn,Fe,Cr) .....	68186-88-9
10 782	Schmincke Payne's grey ....	PR 101; PB 29;	Perylene .....	67075-37-0
10 783	mineral black .....	PBk 28	Carbonized bones of animals .....	8021-99-6
10 784	bluish grey 1 .....	PW 4; PW 6; PY 42; PBk 10	Lamp black .....	1333-86-4
10 785	bluish grey 2 .....	PW 4; PW 6; PBk 10	Iron oxide; Sodium-aluminium-silicate; .....	1309-37-1; 57455-37-5;
10 787	brownish grey 1 .....	PW 4; PW 6; PY 155; PV 15	Iron oxide black .....	1317-61-9
10 788	brownish grey 2 .....	PW 4; PY 42; PG 36;	Spinel (Cu, Cr, Fe, Mn) .....	68186-91-4
10 790	shade grey .....	PW 4; PY 42; PBk 33	Zinc oxide; Titanium dioxide; .....	1314-13-2; 13463-67-7; 13463-67-7;
10 792	dove grey .....	PW 4; PR 101; PBk 11	Hydrated iron oxide; Graphite .....	20344-49-4; 7782-42-5
			Zinc oxide; Titanium dioxide; Graphite .....	1314-13-2; 13463-67-7; 7782-42-5
			Zinc oxide; Titanium dioxide; Disazo; .....	1314-13-2; 13463-67-7; 68516-73-4;
			Aluminium-sulfosilicte .....	12769-96-9
			Zinc oxide; Hydrated iron oxide; .....	1314-13-2; 20344-49-4;
			Phthalocyaninkomplex (Cu, Cl, Br); .....	14302-13-7;
			Spinel (Zn,Fe,Cr) .....	68186-88-9
			Zinc oxide; Hydrated iron oxide; .....	1314-13-2; 20344-49-4;
			Hydrated chromium oxide; Iron oxide black ...	12001-99-9; 1317-61-9
			Zinc oxide; Iron oxide; Iron oxide black .....	1314-13-2; 1309-37-1; 1317-61-9

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