

**Safety Data Sheet according to 1907/2006/EG**

article **series 11 - NORMA Professional**  
**11000000** version: 2

Date: 18.02.2009  
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### **1. Identification of the substance/preparation and of the company/undertaking**

**02108-XXXX**

Commercial Product name	series 11 - NORMA Professional
Use of the substance	finest artists' oil-colour for artistic painting techniques
Company	
	H.Schmincke & Co. GmbH & Co. KG Otto-Hahn-Strasse 2 D-40699 Erkrath www.schmincke.de
Phone #	+49 (0) 211 - 25 09 - 0
Telefax #	+49 (0) 211 - 25 09 - 461
Information	Schmincke-laboratory: mo.-th. 8.00-16.30, fr. 8.00-13.30 tel.: +49 (0) 211 - 2509 - 474 eMail: labor@schmincke.de
Emergency Information	Emergencycall Berlin: +49 (0) 30 - 1 92 40 (0.00-24.00)

### **2. Hazard identification**

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

### **3. Composition/information on ingredients**

Chemical characterization (substance)	siccative pigments natural oils
Dangerous constituents	
	White spirit: < 2 % CAS-Number: 64742-82-1 R phrase(s): 65 - 66
	zinc oxide: 0 % - 67 % CAS-number 1314-13-2 R phrase(s): 50/53
Additional information	The colours 11 112, 114, 118, 220, 222, 234, 240, 302, 312, 348, 412, 422, 424 contain zinc oxide. (see chapter 12)
	The colours 11 222, 238, 240, 242, 244, 300, 310, 312, 314 contain cadmium-containing pigments. The use of cadmium containing pigments is limited to artist colors.
	further information: see appendix

### **4. First aid measures**

General information	In case of problems seek medical advice and show the package or label
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### **5. Fire fighting measures**

Suitable extinguishing media	Dry chemical extinguisher ABC powder Carbon dioxide
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Extinguisher unsuitable on safety grounds Water Water spray jet

**6. Accidental release measures**

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

**7. Handling and storage**

Particular use(s)  
Particular use(s) No special measures necessary if stored and handled as prescribed.

**8. Exposure controls / personal protection**

Critical values of exposure  
Limitation and surveillance of the exposure at the workplace.  
General protection and hygiene measures No special measures necessary if used correctly.

**9. Physical and chemical properties**

Appearance  
Form Pasty  
Colour pigmented  
Odour characteristic  
Safety relevant data  
Density 1,1 - 2,4 g/ml

**10. Stability and reactivity****11. Toxicological information**

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

**12. Environmental data**

Ecotoxicological effects  
Aquatic toxicity EC50 desmodesmus subspicata : > 114 mg/l ... for all zinc oxide containing colours (Hydrotox; 05/2224)

**13. Disposal considerations**

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**Product**

Recommendation 080112 waste paint and varnish other than those mentioned in 080111

**14. transport information****Additional information**

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

**15. legal regulations****Classification**

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

**16. Other information****R phrase(s)**

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Further remarks**

R65 Harmful: may cause lung damage if swallowed.  
R66 Repeated exposure may cause skin dryness or cracking.  
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.

**Appendix for material safety data sheet no.: 11 000 000**  
- Norma® finest artists' oil-colours -

art. no.	art. name	C.I.	CAS-no.
11 110	translucent white.....PW 6	Titanium dioxide .....	13463-67-7
11 112	zinc white.....PW 4	Zinc oxide.....	1314-13-2
11 114	titanium white.....PW 4; PW 6	Zinc oxide; Titanium dioxide .....	1314-13-2; 13463-67-7
11 116	opaque white.....PW 7	Zinc sulphide .....	1314-98-3
11 118	zinc titanium white.....PW 4; PW 6	Zinc oxide; Titanium dioxide .....	1314-13-2; 13463-67-7
11 220	flesh tint.....PW 4; PW 6; PY 42; PR 101	Zinc oxide; Titanium dioxide; Hydrated iron oxide; Iron oxide .....	1314-13-2; 13463-67-7; 20344-49-4; 1309-37-1
11 222	Naples yellow reddish.....PW 4; PW 6; PY 53; PO 20	Zinc oxide; Titanium dioxide; Rutile (Ti, Ni, Sb); Cadmium sulfo-selenide .....	1314-13-2; 13463-67-7; 8007-18-9; 12656-57-4
11 224	Naples yellow deep.....PBr 24	Rutile (Ti, Cr, Sb).....	68186-90-3
11 226	Naples yellow light.....PY 53; PBr 24	Rutile (Ti, Ni, Sb); Rutile (Ti, Cr, Sb).....	8007-18-9; 68186-90-3
11 228	chrome yellow hue light.....PY 216	Rutile (Zn, Sn).....	85536-73-8
11 230	chrome yellow hue middle.....PY 216	Rutile (Zn, Sn).....	85536-73-8
11 232	chrome yellow hue deep.....PY 216	Rutile (Zn, Sn).....	85536-73-8
11 234	brilliant yellow light.....PW 4; PBr 24	Zinc oxide; Rutile (Ti, Cr, Sb) .....	1314-13-2; 68186-90-3
11 236	lemon yellow.....PY 3	Monoazo.....	6486-23-3
11 238	cadmium yellow lemon.....PY 35	Cadmium-zinc-sulphide.....	8048-07-5; 7727-43-7
11 240	cadmium yellow mix.....PW 4; PW 6; PY 35	Zinc oxide; Titanium dioxide; Cadmium-zinc-sulphide .....	1314-13-2; 13463-67-7; 8048-07-5; 7727-43-7
11 242	cadmium yellow light.....PY 35	Cadmium-zinc-sulphide.....	8048-07-5; 7727-43-7
11 244	cadmium yellow deep.....PO 20	Cadmium sulfo-selenide.....	12656-57-4
11 246	brilliant yellow.....PY 155	Disazo.....	68516-73-4
11 248	Indian yellow.....PY 153	Nickel-complex.....	68859-51-8
11 300	cadmium orange.....PO 20	Cadmium sulfo-selenide.....	12656-57-4
11 302	brilliant orange.....PW 4; PY 184; PO 67	Zinc oxide; Bismuth vanadate; Pyrazolochinazolone .....	1314-13-2; 14059-33-7; 74336-59-7
11 304	poppy red.....PO 71	Diketo-pyrrolo-pyrrol.....	-
11 306	vermilion red light.....PO 67; PR 255	Pyrazolochinazolone; Diketo-pyrrolo-pyrrol.....	74336-59-7; 120500-90-5
11 308	vermilion red deep.....PO 62; PR 255	Benzimidazolone; Diketo-pyrrolo-pyrrol .....	75601-68-2; 120500-90-5
11 310	cadmium red light.....PO 20	Cadmium sulfo-selenide.....	12656-57-4
11 312	cadmium red mix.....PW 4; PO 20	Zinc oxide; Cadmium sulfo-selenide.....	1314-13-2; 12656-57-4
11 314	cadmium red deep.....PR 108	Cadmium sulfo-selenide.....	58339-34-7; 7727-43-7
11 316	madder light.....PR 209	Quinacridone.....	3089-16-5
11 318	madder red.....PR 209; PR 264	Quinacridone; Diketo-pyrrolo-pyrrol.....	3089-16-5; -
11 320	madder ruby.....PR 264	Diketo-pyrrolo-pyrrol.....	-
11 342	madder deep.....PR 179	Perylen.....	5521-31-3
11 344	carmine red.....PR 179; PV 19	Perylen; Quinacridone .....	5521-31-3; 1047-16-1
11 346	ruby red.....PR 122	Quinacridone.....	980-26-7
11 348	magenta.....PW 4; PR 122	Zinc oxide; Quinacridone .....	1314-13-2; 980-26-7
11 350	cobalt violet hue.....-	Apatite (Sr).....	-
11 352	violet dark.....PV 23	Dioxazine.....	6358-30-1
11 400	indanthrene blue.....PB 60	Indanthrone.....	81-77-6
11 402	ultramarine blue deep.....PB 29	Sodium aluminum silicate .....	57455-37-5
11 404	ultramarine blue light.....PB 29	Sodium aluminum silicate .....	57455-37-5
11 406	royal blue.....PW 6; PB 29	Titanium dioxide; Sodium aluminum silicate .....	13463-67-7; 57455-37-5
11 408	cobalt blue deep.....PB 74	Phenacite (Co, Zn, Si).....	68412-74-8
11 410	cobalt blue light.....PB 28	Spinel (Co, Al).....	1345-16-0
11 412	cobalt blue hue.....PW 4; PB 15; PB 29	Zinc oxide; Phthalocyanine (Cu); Sodium aluminum silicate .....	1314-13-2; 147-14-8; 57455-37-5
11 414	cobalt cerulean blue.....PB 35	Spinel (Co, Sn).....	68187-05-3
11 416	indigo.....PR 101; PB 60	Iron oxide; Indanthrone .....	1309-37-1; 81-77-6
11 418	prussian blue.....PB 27	Iron-cyan-complex .....	14038-43-8; 25869-98-1
11 420	phthalo blue.....PB 15;3	Phthalocyanine (Cu).....	147-14-8
11 422	cerulean blue.....PW 4; PW 6; PB 15;3; PG 18	Zinc oxide; Titanium dioxide; Phthalocyanine (Cu); Hydrated chromium oxide .....	1314-13-2; 13463-67-7; 147-14-8; 12001-99-9
11 424	azure blue.....PW 4; PW 6; PB 15;3	Zinc oxide; Titanium dioxide; Phthalocyanine (Cu).....	1314-13-2; 13463-67-7; 147-14-8
11 426	cobalt turquoise.....PG 50	Spinel (Co, Ni, Zn, Ti).....	68186-85-6
11 500	Phthalo green.....PG 7	Phthalocyanine (Cu, Cl).....	1328-53-6
11 502	chromium oxide green brilliant.....PG 18	Hydrated chromium oxide .....	12001-99-9
11 504	emerald green.....PW 6; PG 18; PG 36; PG 50	Titanium dioxide; Hydrated chromium oxide; Phthalocyanine complex (Cu, Cl, Br); Spinel (Co, Ni, Zn, Ti).....	13463-67-7; 12001-99-9; 14302-13-7; 68186-85-6
11 506	Schweinfurt green hue.....PY 216; PB 28; PG 18; PG 19	Rutile (Zn, Sn); Spinel (Co, Al); Hydrated chromium oxide; Spinel (Co, Zn).....	85536-73-8; 1345-16-0; 12001-99-9; 8011-87-8

H. Schmincke & Co. GmbH & Co. KG • Feinste Künstlerfarben • Otto-Hahn-Strasse 2 • D-49099 Erkrath  
Telefon +49 (0) 210 2500-0 • Telefax +49 (0) 210 2500-167 • www.schmincke.de • E-Mail: info@schmincke.de

**Appendix for material safety data sheet no.: 11 000 000**  
**- Norma® finest artists' oil-colours -**

11 508	permanent green.....	PY 150; PY 151; PG 7	Azo-nickel-complex; Benzimidazolone;.....68511-62-6; 61036-28-0; Phthalocyanine (Cu, Cl).....1328-53-6
11 510	permanent yellowish-green.....	PY 184; PG 36	Bismuth vanadate;.....14059-33-7; Phthalocyanine complex (Cu, Cl, Br) .....14302-13-7
11 512	olive green.....	PY 42; PY 150; PB 60	Hydrated iron oxide; Azo-nickel-complex; .....20344-49-4; 68511-62-6; Indanthrone .....81-77-6
11 514	sap green.....	PY 150; PB 60	Azo-nickel-complex; Indanthrone .....68511-62-6; 81-77-6
11 516	chromium oxide green.....	PG 17	Hematite (Cr) .....1308-38-9
11 518	green earth.....	PY 42; PG 18; PG 23; PBr 7	Hydrated iron oxide;.....20344-49-4; Hydrated chromium oxide; Silicate (Al, Fe); .....12001-99-9; 1344-98-5 Earth pigment.....-
11 600	raw light ochre.....	PY 42; PY 43	Hydrated iron oxide; Hydrated iron oxide .....20344-49-4; 1309-37-1
11 602	yellow ochre.....	PY 42; PBr 24	Hydrated iron oxide; Rutile (Ti, Cr, Sb) .....20344-49-4; 68186-90-3
11 604	translucent ochre.....	PY 42	Hydrated iron oxide .....20344-49-4
11 606	golden ochre.....	PY 42; PY 43; PBr 7	Hydrated iron oxide; Hydrated iron oxide; .....20344-49-4; 1309-37-1; Earth pigment.....-
11 608	raw Sienna.....	PY 42; PY 43	Hydrated iron oxide; Hydrated iron oxide .....20344-49-4; 1309-37-1
11 610	burnt Sienna.....	PBr 7	Earth pigment.....-
11 612	english red.....	PR 101	Iron oxide.....1309-37-1
11 614	red earth.....	PR 101	Iron oxide.....1309-37-1
11 616	caput mortuum.....	PR 101	Iron oxide.....1309-37-1
11 618	translucent red brown.....	PR 101	Iron oxide.....1309-37-1
11 620	agate brown.....	PR 101	Iron oxide.....1309-37-1
11 622	raw umber.....	PBr 7	Earth pigment.....-
11 624	burnt umber.....	PBr 7	Earth pigment.....-
11 626	Vandyke brown.....	PR 101; PR 179; PG 7	Iron oxide; Perylen; Phthalocyanine (Cu, Cl).....1309-37-1; 5521-31-3; 1328-53-6
11 700	neutral black.....	PR 179; PG 7	Perylen; Phthalocyanine (Cu, Cl).....5521-31-3; 1328-53-6
11 702	black iron oxide.....	PBk 11	Iron oxide black .....1317-61-9
11 704	ivory black.....	PBk 9	Am. carbonized bones of animals .....8021-99-6
11 706	Payne's grey.....	PV 23; PB 29; PBk 9	Dioxazine; Sodium aluminum silicate; .....6358-30-1; 57455-37-5; Am. carbonized bones of animals .....8021-99-6
11 708	warm grey.....	PW 6; PR 101; PG 17	Titanium dioxide; Iron oxide; Hematite (Cr).....13463-67-7; 1309-37-1; 1308-38-9
11 710	cold grey.....	PW 6; PY 42; PG 18; PBk 11	Titanium dioxide; Hydrated iron oxide; .....13463-67-7; 20344-49-4; Hydrated chromium oxide; Iron oxide black.....12001-99-9; 1317-61-9
11 800	silver.....	Aluminium	Aluminium.....-
11 802	classic gold.....	Glimmer	Effectpigment.....-
11 804	bronze.....	Glimmer	Effectpigment.....-

Schmincke & Co. GmbH • Feinere Künstlerfarben • Otto-Hahn-Strasse 2 • D-40699 Erkath  
 Telephone +49 (0)11 2509-0 • Telefax +49 (0)11 2509-431 • www.schmincke.de • E-Mail: info@schmincke.de