

article **series 41 - AKADEMIE Öl color**
41000000 version: 1

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1. Identification of the substance/preparation and of the company/undertaking

Commercial Product name series 41 - AKADEMIE Öl color
Use of the substance fine artists' oil colours 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

2. Composition/information on ingredients

Chemical characterization (substance) siccative pigments natural oils
Dangerous constituents
zinc oxide: 0 - 50 % CAS-number: 1314-13-2
R phrase(s): 50/53
Additional information The colours 41 102, 106, 404 contain zinc oxide. (see chapter 12)
further information: see appendix

3. 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).

4. First aid measures

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

5. Fire fighting measures

Suitable extinguishing media Dry chemical extinguisher ABC powder Carbon dioxide
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".

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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 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. Ecological information

Ecotoxicological effects

Aquaticity EC50 desmodemus subspicata : $\geq 114,2$ mg/l ... for all zinc oxide containing colours (Hydrotox; 05/2224)

13. Disposal considerations

Product

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

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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. Regulatory information

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

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.: 41 000 000

- AKADEMIE® Öl color fine artists' oil color -

Art. no.	Art. name	C.I.	CAS-no.
41 100	zinc white	PW 4	Zinc oxide 1314-13-2
41 102	titanium white	PW 4; PW 6	Zinc oxide; Titanium dioxide 1314-13-2; 13463-67-7
41 104	mixing white	PW 5	Barium sulfate 1345-05-7
41 106	underpainting white	PW 5 ; PW 6	Barium sulfate; Titanium dioxide 1345-05-7; 13463-67-7
41 200	ivory	PW 6; PY 53	Titanium dioxide; Rutile (Ti, Ni, Sb) 13463-67-7; 8007-18-9
41 201	sand	PW 6; PY 42; PBr 24	Titanium dioxide; Hydrated iron oxide; 13463-67-7; 20344-49-4; Rutile (Ti, Cr, Sb) 68186-90-3
41 202	flesh tint	PW 6; PY 42; PY 53	Titanium dioxide; Hydrated iron oxide; 13463-67-7; 20344-49-4; Rutile (Ti, Nb, Sb) 8007-18-9
41 204	Naples yellow light	PY 42; PY 53	Hydrated iron oxide; Rutile (Ti, Ni, Sb) 20344-49-4; 8007-18-9
41 207	Naples yellow deep	PY 42; PBr 24	Hydrated iron oxide; Rutile (Ti, Cr, Sb) 20344-49-4; 68186-90-3
41 216	lemon yellow	PY 3	Monoazo 6486-23-3
41 218	primary yellow	PW 5 ; PW 6; PY 3; PY 74	Barium sulfate; Titanium dioxide; 1345-05-7; 13463-67-7; Monoazo; Monoazo 6486-23-3; 6358-31-2
41 220	cadmium yellow tone	PW 5 ; PW 6; PY 74	Barium sulfate; Titanium dioxide; 1345-05-7; 13463-67-7; Monoazo 6358-31-2
41 222	chrome yellow tone	PW 5 ; PY 74; PR 101	Barium sulfate; Monoazo; Iron oxide 1345-05-7; 6358-31-2; 1309-37-1
41 224	Indian yellow	PY 153	Nickel complex 68859-51-8
41 226	cadmium orange tone	PW 5 ; PY 74; PO 67	Barium sulfate; Monoazo; 1345-05-7; 6358-31-2; Pyrazolochinazolone 74336-59-7
41 302	scarlet	PR 242	Disazokondensation 118440-67-8
41 304	vermilion red	PR 112	Naphthol AS 6535-46-2
41 306	cadmium red tone	PW 5 ; PR 254	Barium sulfate; Diketo-pyrrolo-pyrrol 1345-05-7; 122390-98-1
41 308	carmin	PR 170	Naphthol AS 2786-76-7
41 310	ruby	PR 101; PR 254	Iron oxide; Diketo-pyrrolo-pyrrol 1309-37-1; 122390-98-1
41 312	madder lake	PR 179	Perylen 5521-31-3
41 314	primary magenta	PW 5 ; PW 6; PR 122	Barium sulfate; Titanium dioxide; 1345-05-7; 13463-67-7; Quinacridone 980-26-7
41 316	violet	PV 23	Dioxazine 6358-30-1
41 400	royal blue	PW 6; PB 29	Titanium dioxide; 13463-67-7; Sodium-aluminum-silicate 57455-37-5
41 402	primary cyan	PW 5 ; PW 6; PB 15:3	Barium sulfate; Titanium dioxide; 1345-05-7; 13463-67-7; Phthalocyanine (Cu) 147-14-8
41 404	cobalt blue tone	PW 4; PW 6; PB 15:3; PB 29; PV 23	Zinc oxide; Titanium dioxide; 1314-13-2; 13463-67-7; Phthalocyanine (Cu); 147-14-8; Sodium-aluminum-silicate; Dioxazine 57455-37-5; 6358-30-1
41 406	ultramarine	PB 29	Sodium-aluminum-silicate 57455-37-5
41 408	phthalo blue	PB 15:3	Phthalocyanine (Cu) 147-14-8
41 410	indigo	PR 101; PB 15:3	Iron oxide; Phthalocyanine (Cu) 1309-37-1; 147-14-8
41 412	Prussian blue	PB 27	Iron cyan complex 14038-43-8; 25869-98-1
41 414	aquamarine turquoise	PW 6; PG 7; PB 15:3	Titanium dioxide; Phthalocyanine (Cu, Cl); 13463-67-7; 1328-53-6; Phthalocyanine (Cu) 147-14-8
41 500	may green	PW 5 ; PW 6; PY 74; PG 36	Barium sulfate; Titanium dioxide; 1345-05-7; 13463-67-7; Monoazo; 6358-31-2; Phthalocyanine complex (Cu, Cl, Br) 14302-13-7
41 502	chromium oxide green brilliant	PG 18	Hydrated chromium oxide 12001-99-9
41 504	green earth	PY 42; PY 150; PB 60	Hydrated iron oxide; 20344-49-4; Azo-Nickel complex; Indanthron 68511-62-6; 81-77-6
41 506	sap green	PY 150; PB 29	Azo-Nickel complex; 68511-62-6; Sodium-aluminum-silicate 57455-37-5
41 508	phthalo green	PG 7	Phthalocyanine (Cu, Cl) 1328-53-6
41 602	yellow ochre	PY 42	Hydrated iron oxide 20344-49-4
41 604	umber	PY 42; PG 18	Hydrated iron oxide; 20344-49-4; Hydrated chromium oxide 12001-99-9
41 606	Sienna	PY 42; PR 101	Hydrated iron oxide; Iron oxide 20344-49-4; 1309-37-1
41 608	burnt Sienna	PR 101; PBr 6	Iron oxide; Brown coal 1309-37-1; 72669-22-8
41 610	caput mortuum	PR 101	Iron oxide 1309-37-1
41 612	burnt umber	PBr 7	Earth pigment -
41 614	Vandyke brown	PR 101; PBk 7	Iron oxide; Lamp black 1309-37-1; 1333-86-4
41 700	grey	PW 6; PBk 10	Titanium dioxide; Graphite 13463-67-7; 7782-42-5
41 702	anthracite	PBk 10	Graphite 7782-42-5
41 704	lamp black	PBk 7; PBk 11	Lamp black; Black iron oxide 1333-86-4; 1317-61-9
41 800	silver	Aluminum	Aluminum -
41 802	gold	Effect pigment	Effect pigment -