

Sicherheitsdatenblatt gemäß 1907/2006/EG

Artikel: **series 14 - HORADAM SQUARELL**

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 14 - HORADAM SQUARELL

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
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 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

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Chemical characterization
3.2 Mixtures

natural resin pigments water

Additional information

The colour 14 102 contains zinc oxide. (see separate safety data sheet)

The colours 14 230, 481, 486, 910, 930, 940 contain zinc oxide and/or triarylcarbonium-pigments. (see separate material safety data sheet)

The colours 14 223, 224, 225, 226, 227, 228, 347, 348, 349, 350 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

Product itself is non-combustible; adapt fire extinguishing measures to surrounding areas. Compatible with all usual extinguishing media.

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

SECTION 9: Physical and chemical properties

9.1 information on basic physical and chemical properties

Physical state	solid (pan) / paste (tube)
Colour	pigmented
Odour	characteristic
Density	
Density	1,3 - 2,5 g/ml

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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.

SECTION 12: Ecological information

12.6 Other adverse effects

General information

Moderately/partially biodegradable

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

R phrase(s)

R25 Toxic if swallowed.

R43 May cause sensitisation by skin contact.

R62 Possible risk of impaired fertility.

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.

Appendix for material safety data sheet no.: 14 000 000
- HORADAM® AQUARELL finest artists' water-colours -

art. no.	art. name	C.I.	CAS-no.
14 101	titanium-opaque white.....	PW 6	Titanium dioxide13463-67-7
14 206	titanium yellow.....	PY 53	Rutile (Ti, Ni, Sb).....8007-18-9
14 207	vanadium yellow.....	PY 184	Bismuth vanadate.....14059-33-7
14 208	aureolin modern.....	PY 151	Benzimidazolone.....61036-28-0
14 209	translucent yellow.....	PY 150	Azo-nickel-complex.....68511-62-6
14 210	gamboge gum modern.....	PY 150; PY 153	Azo-nickel-complex; Nickel-complex.....68511-62-6; 68859-51-8
14 211	chrome yellow lemon, no lead.....	PY 175	Benzimidazolone.....35636-63-6
14 212	chrome yellow light, no lead.....	PY 153; PY 155	Nickel-complex; Disazo.....68859-51-8; 68516-73-4
14 213	chrome yellow deep.....	PY 65	Monoazo.....6528-34-3
14 214	chrome orange, no lead.....	PO 62	Benzimidazolone.....75601-68-2
14 215	lemon yellow.....	PY 3	Monoazo.....6486-23-3
14 216	pure yellow.....	PY 154	Benzimidazolone.....68134-22-5
14 218	translucent orange.....	PO 71	Diketo-pyrrolo-pyrrol.....-
14 220	Indian yellow.....	PY 110; PY 154	Isoindolinone; Benzimidazolone.....5590-18-1; 68134-22-5
14 221	jaune brilliant dark.....	PW 6; PY 53; PBr 24	Titanium dioxide; Rutile (Ti, Ni, Sb); Rutile (Ti, Cr, Sb).....13463-67-7; 8007-18-9; 68186-90-3
14 223	cadmium yellow lemon.....	PY 35	Cadmium-zinc-sulphide.....8048-07-5; 7727-43-7
14 224	cadmium yellow light.....	PY 35	Cadmium-zinc-sulphide.....8048-07-5; 7727-43-7
14 225	cadmium yellow middle.....	PY 35	Cadmium-zinc-sulphide.....8048-07-5; 7727-43-7
14 226	cadmium yellow deep.....	PY 35; PO 20	Cadmium-zinc-sulphide; Cadmiumsulfoselenide.....8048-07-5; 7727-43-7; 12656-57-4
14 227	cadmium orange light.....	PO 20	Cadmiumsulfoselenide.....12656-57-4
14 228	cadmium orange deep.....	PO 20	Cadmiumsulfoselenide.....12656-57-4
14 229	Naples yellow.....	PW 6; PY 53; PBr 24	Titanium dioxide; Rutile (Ti, Ni, Sb); Rutile (Ti, Cr, Sb).....13463-67-7; 8007-18-9; 68186-90-3
14 345	dark red.....	PR 170	Naphthol AS.....2786-76-7
14 347	cadmium red middle.....	PR 108	Cadmiumsulfoselenide.....58339-34-7; 7727-43-7
14 348	cadmium red orange.....	PO 20	Cadmiumsulfoselenide.....12656-57-4
14 349	cadmium red light.....	PO 20	Cadmiumsulfoselenide.....12656-57-4
14 350	cadmium red deep.....	PR 108	Cadmiumsulfoselenide.....58339-34-7; 7727-43-7
14 351	ruby red.....	PV 19	Quinacridone.....1047-16-1
14 352	magenta.....	PV 42	Quinacridone.....1047-16-1
14 353	permanent carmine.....	PV 19	Quinacridone.....1047-16-1
14 354	madder red dark.....	PR 254; PV 42	Diketo-pyrrolo-pyrrol; Quinacridone.....122390-98-1; ...
14 356	rose madder.....	PR 48:4; PR 83:1	BONS, Mn; Anthrachinone, Al.....5280-66-0; 72-78-0
14 357	alizarin-crimson.....	PR 83:1	Anthrachinone, Al.....72-78-0
14 358	madder lake deep.....	PR 83:1; PR 177	Anthrachinone, Al; Anthanthrone.....72-78-0; 4051-63-2
14 360	permanent red orange.....	PO 62; PR 242	Benzimidazolone; Disazocondensation.....75601-68-2; 118440-67-8
14 361	permanent ed.....	PO 62; PR 242	Benzimidazolone; Disazocondensation.....75601-68-2; 118440-67-8
14 363	scarlet red.....	PR 254	Diketo-pyrrolo-pyrrol.....122390-98-1
14 365	vermilion.....	PR 255	Diketo-pyrrolo-pyrrol.....120500-90-5
14 366	deep red.....	PR 179	Perylen.....5521-31-3
14 367	purple magenta.....	PR 122	Quinacridone.....980-26-7
14 368	quinacridone violet.....	PV 19	Quinacridone.....1047-16-1
14 474	manganese violet.....	PV 16	Mangan-ammoniumphosphate.....10101-66-3
14 475	helio turquoise.....	PB 16	Phthalocyanine.....574-93-6
14 476	Mauve.....	PV 23	Dioxazine.....6358-30-1
14 478	helio blue reddish.....	PB 15:6	Phthalocyanine (Cu).....147-14-8
14 479	helio cerulean.....	PB 15:3	Phthalocyanine (Cu).....147-14-8
14 480	mountain blue.....	PW 5; PB 29; PG 7	Barium sulfate; Sodium-aluminium-silicate; Phthalocyanine (Cu, Cl).....1345-05-7; 57455-37-5; 1328-53-6
14 482	Delft blue.....	PB 60	Indanthrone.....81-77-6
14 484	phthalo blue.....	PB 15:1	Phthalocyanine (Cu).....147-14-8
14 485	indigo.....	PB 15:1; PB 66	Phthalocyanine (Cu); Indigo, synthetic.....147-14-8; 482-89-3
14 487	cobalt blue light.....	PB 28	Spinel (Co, Al).....1345-16-0
14 488	cobalt blue deep.....	PB 28; PB 74	Spinel (Co, Al); Phenakit (Co, Zn, Si).....1345-16-0; 68412-74-8
14 491	Paris blue.....	PB 15; PB 15:1; PB 27	Phthalocyanine (Cu); Phthalocyanine (Cu); Iron-cyan-complex.....147-14-8; 147-14-8; 14038-43-8; 25869-98-1
14 492	Prussian blue.....	PB 27	Iron-cyan-complex.....14038-43-8; 25869-98-1
14 494	ultramarine finest.....	PB 29	Sodium-aluminium-silicate.....57455-37-5
14 495	ultramarine violet.....	PV 15	Sodium-aluminium-silicate.....12769-96-9
14 496	ultramarine blue.....	PB 15:1; PB 29	Phthalocyanine (Cu); Sodium-aluminium-silicate.....147-14-8; 57455-37-5
14 498	dark blue indigo.....	PB 60	Indanthrone.....81-77-6
14 499	cobalt cerulean.....	PB 36	Spinel (Co, Al, Cr).....68187-11-1
14 509	cobalt turquoise.....	PG 50	Spinel (Co, Ni, Zn, Ti).....68186-85-6
14 510	cobalt green turquoise.....	PB 36	Spinel (Co, Al, Cr).....68187-11-1
14 511	chromium oxide green brilliant.....	PG 7; PG 18	Phthalocyanine (Cu, Cl); Hydrated chromium oxide.....1328-53-6; 12001-99-9

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14 512	chromium oxide green	PG 17	Hematite (Cr)	1308-38-9
14 514	helio green	PG 36	Phthalocyaninecomplex (Cu, Cl, Br).....	14302-13-7
14 515	olive green	PB 15:1; PG 8	Phthalocyanine (Cu); Phthalocyanine (Cu, Cl) ..	147-14-8; 1328-53-6
14 516	green earth	PG 7; PBr 7	Phthalocyanine (Cu, Cl); Earth pigment	1328-53-6; -
14 519	phthalo green	PG 7	Phthalocyanine (Cu, Cl).....	1328-53-6
14 521	Hooker's green.....	PY 42; PB 15:3; PG 7	Hydrated iron oxide; Phthalocyanine (Cu);.....	20344-49-4; 147-14-8;
14 524	may green	PY 151; PG 7	Phthalocyanine (Cu, Cl).....	1328-53-6
14 525	olive green yellowish.....	PO 62; PG 36	Benzimidazolone; Phthalocyanine (Cu, Cl).....	61036-28-0; 1328-53-6
14 526	permanent green.....	PY 154; PG 7	Benzimidazolone;	75601-68-2;
14 528	Prussian green.....	PB 60; PG 7	Phthalocyaninecomplex (Cu, Cl, Br).....	14302-13-7
14 530	sap green.....	PY 153; PG 7	Phthalocyanine (Cu, Cl).....	68134-22-5; 1328-53-6
14 533	cobalt green dark.....	PG 26	Indanthrone; Phthalocyanine (Cu, Cl).....	81-77-6; 1328-53-6
14 534	permanent green olive	PO 62; PG 7	Nickel-complex; Phthalocyanine (Cu, Cl)	68859-51-8; 1328-53-6
14 535	cobalt green pure	PG 19	Spinel (Co, Cr).....	68187-49-5
14 536	green yellow	PY 150; PBk 7	Benzimidazolone; Phthalocyanine (Cu, Cl).....	75601-68-2; 1328-53-6
14 645	Indian red.....	PR 101; PR 206	Spinel (Co, Zn)	8011-87-8
14 648	translucent brown	PBr 41	Azo-nickel-complex; Lamp black.....	68511-62-6; 1333-86-4
14 649	English Venetian red.....	PR 101	Iron oxide; Quinacridone	1309-37-1; 1047-16-1; 1503-48-6
14 652	walnut brown	PBr 33	Spinel (Zn, Fe, Cr)	68186-88-9
14 654	gold brown	PY 65; PBr 41	Monoazo; Spinel (Zn, Fe, Cr)	6528-34-3; 68186-88-9
14 655	yellow ochre	PY 42	Hydrated iron oxide	20344-49-4
14 656	yellow raw ochre	PY 42; PY 43	Hydrated iron oxide; Hydrated iron oxide	20344-49-4; 1309-37-1
14 659	titanium gold ochre.....	PBr 24	Rutile (Ti, Cr, Sb).....	68186-90-3
14 660	raw Sienna.....	PY 43; PBr 7	Hydrated iron oxide; Earth pigment.....	1309-37-1; -
14 661	burnt Sienna.....	PR 101; PBk 9	Iron oxide; Carbonized bones of animals.....	1309-37-1; 8021-99-6
14 662	sepia brown tone.....	PR 166; PBr 7; PBk 9	Naphthol AS; Earth pigment;	5280-68-2; -;
14 663	sepia brown.....	PB 15:1; PBr 7; PBk 9	Carbonized bones of animals	8021-99-6
14 666	Pozzuoli earth	PR 101; PR 206	Phthalocyanine (Cu); Earth pigment;	147-14-8; -;
14 667	raw umber	PBr 7	Carbonized bones of animals	8021-99-6
14 668	burnt umber.....	PBr 7	Iron oxide; Quinacridone	1309-37-1; 1047-16-1; 1503-48-6
14 669	Vandyke brown.....	PY 153; PBr 7; PBk 7	Earth pigment	-
14 670	madder brown	PR 206	Earth pigment.....	-
14 780	ivory black.....	PBk 9	Nickel-complex; Earth pigment; Lamp black ..	68859-51-8; -; 1333-86-4
14 781	blue black	PBk 6	Quinacridone	1047-16-1; 1503-48-6
14 782	neutral tint	PR 122; PB 60; PBk 7	Carbonized bones of animals.....	8021-99-6
14 783	Schmincke Payne's grey	PR 101; PB 29; PBk 7	Lamp black	1333-86-4
14 785	neutral grey	PO 62; PR 255; PB 60	Quinacridone; Indanthrone; Lamp black	980-26-7; 81-77-6; 1333-86-4
14 786	charcoal grey	PBk 7	Iron oxide; Sodium-aluminium-silicate;.....	1309-37-1; 57455-37-5;
14 787	Payne's grey bluish	PBk 15:6; PBk 6	Lamp black	1333-86-4
14 893	gold.....	effect-pigment	Benzimidazolone; Diketo-pyrrolo-pyrrol;	75601-68-2; 120500-90-5;
14 894	silver	effect-pigment	Indanthrone	81-77-6
			Lamp black	1333-86-4
			Iron oxide black; Lamp black	1317-61-9; 1333-86-4
			Effect-pigment.....	-
			Effect-pigment.....	-

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