

SAFETY DATA SHEET according to 91/115/EWG

article series 18 - pigments (without Cd and Co)
18000000 version: 2

Date: 29.11.2006
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1. Identification of the substance/preparation and of the company/undertaking**01902-all codes except:****-1030**

Commercial Product name
Use of the substance
Company

series 18 - pigments (without cadmium- and cobalt-containing pigments)
pure artists' pigments for grinding one's own artists' colours

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Information

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Emergency Information

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2. Composition/information on ingredients

Chemical characterization (substance)
Customs tariff number

pigments with different chemical composition
white pigments

18 103 / 106 / 107 / 108 / 111 / 112

yellow pigments

18 210 / 220 / 222 / 234 / 236 / 237 / 239 / 240 / 241 / 252

red pigments

18 357 / 363 / 367 / 368 / 371 / 372 / 373 / 374

blue pigments

18 481 / 483 / 485 / 488 / 490 / 491 / 493 / 495 / 496 / 497 / 498 / 499

green pigments

18 505 / 507 / 508 / 513 / 519

brown pigments

18 617 / 621 / 623 / 625 / 645 / 647 / 649 / 655 / 675 / 679 / 682 / 683

black pigments

18 720 / 722 / 723 / 727 / 729

IRIODIN pigments

18 901 / 904 / 905 / 925 / 930 / 955

further informations: see appenix

Dangerous constituents

3. Hazard identification

Classification

Nature of Hazard

Does not require a hazard labelling warning label, but the normal safety

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precautions for handling of chemicals must be observed.
 Avoid dust formation.

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

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

Limitation and surveillance of the exposure at the workplace.

Respiratory protection Breathing apparatus in the event of high concentrations. Do not inhale dust.
 General protection and hygiene measures No special measures necessary if used correctly.

9. Physical and chemical properties

Appearance
 Form Powder to fine granulates
 Colour various
 Odour Product specific

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

Toxicological Tests

After swallowing LD50 rat (oral): > 5000 mg/kg Literature value

General remarks

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General remarks

By appropriate use of the product no health damage is known.

12. Ecological information

Additional ecological information

General remarks

Moderately/partially biodegradable

13. Disposal considerations

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. 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

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.: 18 000 000
- Pigments (without cadmium- and cobalt-containing pigments) -

art. nr.	art. name	C.I.	CAS-nr.
18 103	titanium white	PW 6	titanium dioxide..... 13463-67-7
18 106	blanc fixe	PW 21	barium sulfate 7727-43-7
18 107	powdered marble	PW 18	calcium carbonate 1317-65-3
18 108	lihopone	PW 5	zinc sulfide / barium sulfate 1345-05-7
* 18 109	ivory	PW 6; PY 42 PG 17	titanium dioxide; iron oxide hydrate; 13463-67-7; 20344-49-4; chromium(III)oxide 1308-38-9
18 111	alumina white	- / -	sodium aluminum silicate 1344-00-9
18 112	talcum	PW 26	magnesium-aluminum silicate 14807-96-6
18 220	vanadium yellow light	PY 184	bismuth vanadate..... 14059-33-7
18 222	vanadium yellow deep	PY 184	bismuth vanadate..... 14059-33-7
18 234	nickel yellow titanium	PY 53	rutile (Ti, Ni, Sb) 8007-18-9
18 236	chrome yellow titanium	PBr 24	rutile (Ti, Cr, Sb) 68186-90-3
18 237	lemon yellow	PY 3	monoazo 6486-23-3
18 239	brilliant yellow	PY 154	benzimidazolone 68134-22-5
18 240	Indian yellow	PY 153	nickel complex 68859-51-8
18 241	red orange	PO 36	benzimidazolone 12236-62-3
18 252	orange	PO 62	benzimidazolone 75601-68-2
18 357	ultramarine red	PV 15	sodium alumino-sulphosilicate 12769-96-9
18 363	cochenille red	PR 209	quinacridone..... 3089-16-5
* 18 367	alizarin madder lake deep	PR 83:1	anthrachinone, Al 72-78-0 ?
18 368	madder red deep	PR 179	perylene 5521-31-3
18 371	vermilion	PR 255	diketopyrrolo-pyrrol 120500-90-5
18 372	naphthol red	PR 112	naphthol AS 6535-46-2
18 373	carmine	PV 19	quinacridone..... 1047-16-1
18 374	quinacridone magenta	PR 122	quinacridone..... 980-26-7
18 481	quinacridone violet	PV 19	quinacridone..... 1047-16-1
18 483	manganese violet	PV 16	manganese ammonium pyrophosphate..... 10101-66-3
18 485	blue violet	PV 23	dioxazine 6358-30-1
18 488	phthalo blue	PB 15:3	phthalocyanine (Cu) 147-14-8
18 490	ultramarine blue light	PB 29	sodium alumino-sulphosilicate 57455-37-5
18 491	indigo	PB 66	indigo, synthetic..... 482-89-3
18 493	Prussian/Paris blue	PB 27	ferric ferrocyanide 25869-98-1; 14038-43-8
18 495	phthalo blue reddish	PB 15:6	phthalocyanine (Cu) 147-14-8
18 496	phthalo turquoise	PB 16	phthalocyanine (Cu) 574-93-6
18 497	ultramarine violet	PV 15	sodium alumino-sulphosilicate 12769-96-9
* 18 498	azure blue	PW 6; PB 15:3	titanium dioxide; phthalocyanine (Cu) 13463-67-7; 147-14-8
18 499	ultramarine blue deep	PB 29	sodium alumino-sulphosilicate 57455-37-5
18 505	chromium oxide green	PG 17	chromium(III)oxide 1308-38-9
18 507	viridian	PG 18	chromium(III)oxide hydrate 12001-99-9
18 508	phthalo green light	PG 36	phthalocyanine (Cu, Cl, Br) 14302-13-7
18 513	phthalo green deep	PG 7	phthalocyanine (Cu, Cl) 1328-53-6
* 18 519	Bohemian green earth	PG 23	earth pigment 1344-98-5
18 617	yellow ochre	PY 43	earth pigment 20344-49-4; 1309-37-1
18 621	gold ochre	PY 43	earth pigment 20344-49-4; 1309-37-1
* 18 623	raw Sienna	PBr 7	earth pigment 1345-27-3
18 625	ferrite yellow	PY 42	iron oxide hydrate 20344-49-4
18 645	Pompeian red	PR 101	iron oxide 1309-37-1
18 647	caput mortuum deep	PR 101	iron oxide 1309-37-1
18 649	English red light	PR 101	iron oxide 1309-37-1
18 655	Pozzuoli earth	PR 101	iron oxide 1309-37-1
* 18 675	Cassler/Vandyke brown	NBr 8	brown coal -
* 18 679	burnt Sienna	PBr 7	earth pigment calcinated 1345-27-3
* 18 682	raw umber, greenish	PBr 7	earth pigment 1345-27-3
* 18 683	burnt umber	PBr 7	earth pigment calcinated 1345-27-3
18 720	graphite	PBk 10	crystallized carbon 7782-42-5
18 722	vine black	PBk 8	nearly pure am. carbon of vegetable origin 1339-82-8
18 723	ivory black	PBk 9	am. carbon produced by charring animals bones 8021-99-6
18 727	black iron oxide	PBk 11	ferrous ferric oxide 1317-61-9
18 729	lamp black	PBk 7	lamp black 1333-86-4
* 18 901	silver	effect pigment	effect pigment -
* 18 904	red	effect pigment	effect pigment -
* 18 905	brilliant yellow	effect pigment	effect pigment -
* 18 925	pearl blue	effect pigment	effect pigment -
* 18 930	gold pearl	effect pigment	effect pigment -
* 18 955	glitter gold	effect pigment	effect pigment -

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