

according to Regulation (EC) No. 1907/2006 (REACH)

**series 18 - Pigments
(without Cadmium- & Cobalt-pigments)**

Article No.		Issue date:	29.05.15
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name series 18 - Pigments
(without Cadmium- & Cobalt-pigments)

1.2 Relevant identified uses of the substance or mixture and uses advised against**General use**

Products for creation of art.

Uses advised against**1.3 Details of the supplier of the safety data sheet**

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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

**Emergency
Information
Phone #**

**Emergencycall Berlin
(24h - counseling in german and english)
+49 (0) 30-30686790**

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture**Classification according to EC regulation 1272/2008 (CLP)**

no hazard labelling required

2.2 Label elements**Labelling (CLP)****Signal word****Hazard statements****Safety precautions****2.3 Other hazards**

SECTION 3: Composition / information on ingredients

3.1 Substances

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Chemical characterization

pigment with different chemical composition

CAS-Number

EINECS / ELINCS / NLP

EU index number

Customs tariff number

REACH registration No.

RTECS-no.

Hazchem-Code

CI-Number

3.2 Mixtures**Additional information****SECTION 4: First aid measures****4.1 Description of first aid measures****General information**

If you feel unwell, seek medical advice (show the label where possible).

In case of inhalation

In case of allergic symptoms, especially in the breathing area, seek medical advice immediately.

In case of skin contact

Wash with generous amount of water and soap. May cause sensitisation especially in sensitive humans. Frequently or prolonged contact with skin may cause dermal irritation.

After eye contact

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Seek medical attention if irritation persists.

After swallowing

Rinse mouth with water. Seek medical treatment in case of troubles.

4.2 Most important symptoms and effects, both acute and delayed**4.3 Indication of any immediate medical attention and special treatment needed****SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing media**

Product is non-combustible. Extinguishing materials should therefore be selected according to surroundings.

Extinguishing media which must not be used for safety reasons

none water High power water jet,

5.2 Special hazards arising from the substance or mixture

In case of fire may be liberated: sulphur oxides, Carbon monoxide and carbon dioxide

5.3 Advice for firefighters**Special protective equipment for firefighters****Additional information****SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Do not breathe dust. Avoid contact with skin and eyes.

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6.2 environmental precautions

Discharge into the environment must be avoided.

6.3 Methods and material for containment and cleaning up**Methods for cleaning up**

Take up mechanically, placing in appropriate containers for disposal.

Additional information**6.4 Reference to other sections**

Dispose of waste according to applicable legislation. refer to section 13

SECTION 7: Handling and storage**7.1 Precautions for safe handling****Advices on safe handling**

Do not breathe dust. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin.
 Avoid dust formation. Wash hands before breaks and after work.

Precautions against fire and explosion**7.2 Conditions for safe storage, including any incompatibilities****Requirements for storerooms and containers**

Keep container tightly closed.

Hints on joint storage**Storage class****Further details**

Protect from moisture contamination.

7.3 Specific end use(s)

No special measures necessary if stored and handled as prescribed.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****8.2 Exposure controls****Occupational exposure controls****Respiratory protection**

With the formation of dust, use a dust mask.

Hand protection

Protect skin by using skin protective cream.

Eye protection

In case of dust formation: tightly sealed goggles according to EN 166

Body protection

Wear suitable protective clothing. Wash contaminated clothing prior to re-use.

General protection and hygiene measures

When using do not eat, drink or smoke. Wash hands before breaks and after work.

SECTION 9: Physical and chemical properties**9.1 information on basic physical and chemical properties**

Physical state	Powder
Colour	-
Odour	odourless Product specific

min	max
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Initial boiling point and**boiling range**

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Melting point/freezing point
Flash point/flash point range
Flammability
Ignition temperature
Auto-ignition temperature
Explosion limits
Refraction index

Partition coefficient: n-octanol/water
Explosive properties

Vapour pressure
Density 3 - 20 °C
5 g/ml
PH value 0 0

Viscosity dynamic of
Viscosity dynamic up to

Viscosity kinematic of
Viscosity kinematic up to

9.2 Other information**SECTION 10: Stability and reactivity****10.1 Reactivity**

No hazardous reaction when handled and stored according to provisions.

10.2 Chemical stability

Product is stable under normal storage conditions.

10.3 Possibility of hazardous reactions**10.4 Conditions to avoid**

none heat

On heating or in case of fire toxic gases may form.

10.5 Incompatible materials

strong acids

10.6 Hazardous decomposition products

none

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Acute toxicity**

LD50(Rat): > 5000 mg/kg

Data arise from reference works and literature.

In case of inhalation

No data available

After swallowing

No data available

In case of skin contact

No data available

After eye contact

No data available

Practical experience

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General remarks**SECTION 12: Ecological information****12.1 Toxicity**

Aquatic toxicity
Water Hazard Class 1
WGK catalog number
General information

12.2 Persistence and degradability

Further details
 Product is partially biodegradable.
Oxygen demand

12.3 Bioaccumulative potential

Bioconcentration factor (BCF)
Partition coefficient: n-octanol/water

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects**General information****SECTION 13: Disposal considerations****13.1 Waste treatment methods****Product**

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

Contaminated packaging

Waste key number
Recommendation

Additional information

Send to a hazardous waste incinerator facility under observation of official regulations.

SECTION 14: Transport information**14.1 UN number****14.2 UN proper shipping name**

ADR, ADN No dangerous good in sense of these transport regulations.
IMDG, IATA

14.3 Transport hazard class(es)

ADR, ADN
IMDG
IATA

14.4 Packing group

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14.5 Environmental hazards

Marine Pollutant - IMDG
Marine Pollutant - ADN

14.6 Special precautions for user**Land transport**

Code: ADR/RID
Kemmler-number
Hazard label ADR
Limited quantities
Contaminated packaging: Instructions
Contaminated packaging: Special provisions
Special provisions for packing together
Portable tanks: Instructions
Portable tanks: Special provisions
Tank coding
Tunnel restriction
Remarks
EQ
Special provisions

Inland waterway craft

Hazard label
Limited quantities
Transport permitted
Equipment necessary
Ventilation
Remarks
EQ
Special provisions

Sea transport

EmS
Special provisions
Limited quantities
Contaminated packaging: Instructions
Contaminated packaging: Special provisions
IBC: Instructions
IBC: Provisions
Tank instructions IMO
Tank instructions UN
Tank instructions Special provisions
Stowage and segregation
Properties and observations
Remarks
EQ

Air transport

Hazard
Passenger
Passenger LQ
Cargo
ERG
Remarks

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EQ
Special Provisioning

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations****Europe**

Contents of VOC [%]

Contents of VOC

[g/L]

Further regulations, limitations and legal requirements

Germany

Storage class

Water Hazard Class 1

WGK catalog number

Incident regulation

Information on working limitations

Further regulations, limitations and legal requirements

Denmark

Further regulations, limitations and legal requirements

Hungary

Further regulations, limitations and legal requirements

Great Britain

Further regulations, limitations and legal requirements

Switzerland

Contents of VOC [%]

0

Further regulations, limitations and legal requirements

USA

Further regulations, limitations and legal requirements

Federal Regulations

State Regulations

Japan

Further regulations, limitations and legal requirements

Canada

Further regulations, limitations and legal requirements

15.2 Chemical Safety Assessment**SECTION 16: Other information****Further information**

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Hazard statements (CLP)**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 a liability for damage arising in connection with the use of our products.

Literature

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

Reason of change**Additional information**

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.

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Appendix for material safety data sheet no.: 18 000 000
Pigments finest artists' pigments

18 103	titanium white	PW 6	Titanium dioxide
18 106	blanc fixe	PW 21	Barium sulfate
18 107	powdered marble	PW 18	Calcium carbonate
18 108	lithopone	PW 19	Sodium aluminum silicate
18 109	ivory	PW 6; PY 42; PG 17	Titanium dioxide; Hydrated iron oxide; Hematite (Cr)
18 111	alumina white	PW 19	Sodium aluminum silicate
18 112	talcum	PW 26	Magnesium aluminium silicate
18 234	nickel yellow titanium	PO 62	Benzimidazolone
18 236	chrome yellow titanium	PV 15	Sodium aluminum silicate
18 237	lemon yellow	PR 83	Triarylcarbonium
18 239	brilliant yellow	PR 255	Diketo-pyrrolo-pyrrol
18 240	Indian yellow	PR 112	Naphthol AS
18 241	red orange	PV 19	Quinacridone
18 252	orange	PR 122	Quinacridone
18 357	ultramarine red	PV 23	Dioxazine
18 363	cochineal red	PB 66	Indigo, synthetic
18 367	alizarine madder deep	PB 27	Iron-cyan-complex
18 368	madder red deep	PV 15	Sodium aluminum silicate
18 371	vermilion red	PW 6; PB 15:3	Titanium dioxide; Phthalocyanine (Cu)
18 372	naphthol red	PB 29	Sodium aluminum silicate
18 373	carmine	PG 17	Hematite (Cr)
18 374	quinacridone magenta	PG 18	Hydrated chromium oxide
18 481	quinacridone violet	PG 7	Phthalocyanine (Cu, Cl)
18 483	manganese violet	PY 43	Hydrated iron oxide
18 485	blue violet	PY 43	Hydrated iron oxide
18 488	phthalo blue	PY 42	Hydrated iron oxide
18 490	ultramarine blue light	PR 101	Iron oxide
18 491	indigo	PR 101	Iron oxide
18 493	Prussian/Paris blue	PR 101	Iron oxide
18 495	phthalo blue reddish	PBr 7	Earth pigment
18 496	phthalo turquoise	PBr 7	Earth pigment
18 497	azure blue	PBr 7	Earth pigment
18 498	azure blue	PBK 10	Crystallized carbon
18 499	ultramarine blue deep	PBK 8	Nearly pure am. Carbon of vegetable origin
18 505	chromium oxide green	PBK 7	Lamp black
18 507	chromium oxide green brilliant	PY 35	Cadmium-zinc-sulphide
18 508	phthalo green light	PY 35	Cadmium-zinc-sulphide
18 513	phthalo green deep	PO 20	Cadmium sulfo-selenide
18 519	Bohemian green earth	PY 53	Rutile (Ti, Ni, Sb)
18 617	yellow ochre	PBr 24	Rutile (Ti, Cr, Sb)

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Pigments finest artists' pigments

18 621	gold ochre	PO 20	Cadmium sulfo-selenide
18 623	raw Sienna	PR 108	Cadmium sulfo-selenide
18 625	ferrite yellow	PR 209	Quinacridone
18 645	Pompeian red	PR 179	Perylen
18 647	caput mortuum deep	PV 19	Quinacridone
18 649	English red light	PV 14	Cobalt phosphate
18 655	Pozzuoli earth	PV 16	Manganese-ammonium pyrophosphate
18 675	Cassler/Vandyke brown	PB 35	Spinel (Co, Sn)
18 679	English red light	PB 28	Spinel (Co, Al)
18 682	raw umber greenish	PB 74	Phenacite (Co, Zn, Si)
18 683	burnt umber	PB 15:6	Phthalocyanine (Cu)
18 720	graphite	PB 16	Phthalocyanine
18 722	vine black	PG 50	Spinel (Co, Ni, Zn, Ti)
18 723	ivory black	PG 26	Spinel (Co,Cr)
18 727	black iron oxide	PG 36	Phthalocyanine complex (Cu, Cl, Br)
18 729	lamp black	PG 19	Spinel (Co, Zn)
18 901	sterling silver	Effektpigment	Effectpigment
18 931	brilliant gold	Effektpigment	Effectpigment

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