

MATERIAL SAFETY DATA SHEET

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

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

Article No.	18103055	titanium white	Issue date:	22.01.20
Version	7	(22.01.20)	Page	1 / 8

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)
Finest artists' 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

H. Schmincke & Co. GmbH & Co. KG
Otto-Hahn-Str. 2
D - 40699 Erkrath
Tel. +49 (0) 211-2509-0
Fax. +49 (0) 211-2509-497
info@schmincke.de
www.schmincke.de

Dept. responsible for information

Schmincke-Labor:
Mo-Do 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) 30-30686700**

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2 Label elements

Labelling

Signal word

Hazard components for labelling

Hazard statements

no hazard labelling required

Safety precautions

P260 Do not breathe dust.

2.3 Other hazards

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

Article No.	18103055	titanium white	Issue date:	22.01.20
Version	7	(22.01.20)	Page	2 / 8

SECTION 3: Composition / information on ingredients

3.1 Substances

Chemical characterisation

pigment
CAS-Number
EINECS / ELINCS / NLP
EU index number
Customs tariff number
REACH registration No.
RTECS-no.
Hazchem-Code
CI-Number
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 thoroughly 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

5.2 Special hazards arising from the substance or mixture

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

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Article No.	18103055	titanium white	Issue date:	22.01.20
Version	7	(22.01.20)	Page	3 / 8

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 eyes and skin.

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

Avoid dust formation. Do not breathe dust.

Avoid contact with skin.

Handle in accordance with good industrial hygiene and safety practice. 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

Wear a dust mask, in case of excessive dust.

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.

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

Article No. 18103055 titanium white Issue date: 22.01.20
Version 7 (22.01.20) Page 4 / 8

SECTION 9: Physical and chemical properties

9.1 information on basic physical and chemical properties

Form Powder
Colour -
Odour odourless not required Product specific

	min	max	
Initial boiling point and boiling range			
Melting point/freezing point			
Flash point/flash point range			
Flammability			
Ignition temperature			
Auto-ignition temperature			
Explosion limits			
Refraction index			
PH value	0	0	
Viscosity			
Viscosity			
Vapour pressure			
Density		3 - 5 g/ml	20 °C
Partition coefficient: n-octanol/water			

Danger of explosion

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

heat

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

10.5 Incompatible materials

strong acids

10.6 Hazardous decomposition products

Hazardous decomposition products such as carbon dioxide, carbon monoxide, fumes, nitrogen oxides may develop with exposure to high temperatures.

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

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

Article No.	18103055	titanium white	Issue date:	22.01.20
Version	7	(22.01.20)	Page	5 / 8

After swallowing

No data available

In case of skin contact

No data available

After eye contact

No data available

Practical experience

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

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

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

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Article No.	18103055	titanium white	Issue date:	22.01.20
Version	7	(22.01.20)	Page	6 / 8

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

14.5 Environmental hazards

Marine Pollutant - IMDG
Marine Pollutant - ADN

14.6 Special precautions for user

Land transport (ADR/RID)

Code
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 (ADN)

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

Sea transport (IMDG)

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

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Article No.	18103055	titanium white	Issue date:	22.01.20
Version	7	(22.01.20)	Page	7 / 8

EQ

Air transport (IATA-DGR)

Hazard
Passenger
Passenger LQ
Cargo
ERG
Remarks
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

Bezeichner in aktueller Sprache fehlt!

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

18 103 - contains titanium dioxide (unbound particles of respirable size) in according to proposition 65 (only State of California)

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Article No.	18103055	titanium white	Issue date:	22.01.20
Version	7	(22.01.20)	Page	8 / 8

USA remarks: WARNING !

This product contains a chemical known to the State of California to cause cancer.

Keep out of reach of children.

Conforms to ASTM D-4236

Signal Word

Principal Hazards

Hazardous Ingredients

Hazard Statement

Precaution Statement

First aid Statements

Children's Statement

Required Statements

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

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.

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

art.nr.	art.name	C.I.		CAS-nr.
18103	titanium white	PW6	Titanium dioxide	13463-67-7
18234	nickel yellow titanium	PY53	Rutile (Ti, Ni, Sb)	8007-18-9
18236	chrome yellow titanium	PBr24	Rutile (Ti, Cr, Sb)	68186-90-3
18237	lemon yellow	PY3	Monoazo	6486-23-3
18239	brilliant yellow	PY154	Benzimidazolone	68134-22-5
18240	Indian yellow	PY153	Nickel-complex	68859-51-8
18241	red orange	PO 36	Benzimidazolone	12236-62-3
18252	orange	PO 62	Benzimidazolone	75601-68-2
18357	ultramarine red	PV15	Sodium aluminum silicate	12769-96-9
18363	cochineal red	PR209	Quinacridone	3089-16-5
18367	alizarine crimson deep	PR83	Triarylcarbonium	75627-12-2
18368	madder red deep	PR179	Perylen	5521-31-3
18371	vermilion red	PR255	Diketo-pyrrolo-pyrrol	120500-90-5
18372	naphthol red	PR112	Naphthol AS	6535-46-2
18373	carmine	PV19	Quinacridone	1047-16-1
18374	quinacridone magenta	PR122	Quinacridone	980-26-7
18481	quinacridone violet	PV19	Quinacridone	1047-16-1
18483	manganese violet	PV16	Manganese-ammonium pyrophosphate	10101-66-3
18485	blue violet	PV23	Dioxazine	6358-30-1
18488	phthalo blue	PB15:3	Phthalocyanine (Cu)	147-14-8
18490	ultramarine blue light	PB29	Sodium aluminum silicate	57455-37-5
18491	indigo	PB66	Indigo, synthetic	482-89-3
18493	Prussian/Paris blue	PB27	Iron-cyan-complex	14038-43-8; 25869-98-1
18495	phthalo blue reddish	PB15:6	Phthalocyanine (Cu)	147-14-8
18496	phthalo turquoise	PB16	Phthalocyanine	574-93-6
18497	ultramarine violet	PV15	Sodium aluminum silicate	12769-96-9
18498	azure blue	PW6; PB15:3	Titanium dioxide; Phthalocyanine (Cu)	13463-67-7; 147-14-8
18499	ultramarine blue deep	PB29	Sodium aluminum silicate	57455-37-5
18505	chromium oxide green	PG17	Hematite (Cr)	1308-38-9
18507	chromium oxide green brilliant	PG18	Hydrated chromium oxide	12001-99-9
18508	phthalo green light	PG36	Phthalocyanine complex (Cu, Cl, Br)	14302-13-7
18513	phthalo green deep	PG7	Phthalocyanine (Cu, Cl)	1328-53-6
18519	Bohemian green earth	PG23	Silicate (Al, Fe)	1344-98-5
18617	yellow ochre	PY43	Hydrated iron oxide	1309-37-1
18621	gold ochre	PY43	Hydrated iron oxide	1309-37-1
18623	raw Sienna	PBr7	Earth pigment	-
18625	ferrite yellow	PY42	Hydrated iron oxide	20344-49-4
18645	Pompeiiian red	PR101	Iron oxide	1309-37-1

Appendix for material safety data sheet no.: 18 000 000
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art.nr.	art.name	C.I.		CAS-nr.
18647	caput mortuum deep	PR101	Iron oxide	1309-37-1
18649	English red light	PR101	Iron oxide	1309-37-1
18655	Pozzuoli earth	PR101	Iron oxide	1309-37-1
18675	Cassler/Vandyke brown	NBr8	Brown coal	72669-22-8
18679	burnt Sienna	PBr7	Earth pigment	-
18682	raw umber, greenish	PBr7	Earth pigment	-
18683	burnt umber	PBr7	Earth pigment	-
18720	graphite	PBk10	Crystallized carbon	7782-42-5
18722	vine black	PBk8	Nearly pure am. Carbon of vegetable origin	1339-82-8
18723	ivory black	PBk9	Am. carbonized bones of animals	8021-99-6
18727	mars black	PBk11	Iron oxide black	1317-61-9
18729	lamp black	PBk7	Lamp black	1333-86-4
* 18821	fluorescent yellow	fluoreszierendes Pigment	Fluorescent pigment	-
* 18822	fluorescent orange	fluoreszierendes Pigment	Fluorescent pigment	-
* 18823	fluorescent red	fluoreszierendes Pigment	Fluorescent pigment	-
* 18824	fluorescent pink	fluoreszierendes Pigment	Fluorescent pigment	-
* 18825	fluorescent magenta	fluoreszierendes Pigment	Fluorescent pigment	-
* 18826	fluorescent green	fluoreszierendes Pigment	Fluorescent pigment	-
18901	sterling silver	Effektpigment	Effectpigment	-
18931	brilliant gold	Effektpigment	Effectpigment	-