

SAFETY DATA SHEET

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

series 41 - AKADEMIE ÖI color

Article No.
Version 3 (02.05.18)

Issue date: 02.05.18
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name series 41 - AKADEMIE ÖI color
fine artists' oil-colours

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-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) 30-30686700
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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

no hazard labelling required

Safety precautions

2.3 Other hazards

SECTION 3: Composition / information on ingredients

3.1 Substances

Chemical characterisation
oil
pigment
siccative
CAS-Number

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

3.2 Mixtures

Substance 1

41102, 41106, 41404:
zinc oxide: 5 - 50 %
CAS: 1314-13-2
REACH: 01-2119463881-32-0043
Aquatic Acute 1; H400 / Aquatic Chronic 1; H410

Additional information

The colours 41 102, 41 106, 41 404 contain zinc oxide. (see section 12)
Further information: annex

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

No special measures are required.

In case of inhalation

Move victim to fresh air. Seek medical attention if problems persist.

In case of skin contact

Remove residues with soap and water. Seek medical attention if irritation persists.

After eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. 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

5.2 Special hazards arising from the substance or mixture

In case of fire may be liberated: 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

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Avoid contact with skin, eyes, and clothing.

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. Wash spill area with plenty of water.

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

Handle in accordance with good industrial hygiene and safety practice.

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

storage temperature: 5 - 40 °C

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

1314-13-2 zinc oxide

DEU	E-dust	1,250	mg/m ³	4 (I)
DEU		10,000	mg/m ³	2 (II)

8.2 Exposure controls

Occupational exposure controls

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Hand protection

Protect skin by using skin protective cream.

Eye protection

Avoid contact with eyes.

Body protection

Wash contaminated clothing prior to re-use.

General protection and hygiene measures

No special handling advices are necessary. Wash hands thoroughly after handling.

SECTION 9: Physical and chemical properties

9.1 information on basic physical and chemical properties

Form pasty
Colour pigmented
Odour weak

min max

Initial boiling point and

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

Partition coefficient: n-octanol/water
Danger of explosion

Vapour pressure
Density 1,1 - 2,5 g/ml 20 °C
PH value

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

10.2 Chemical stability

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid

frost and heat

10.5 Incompatible materials

10.6 Hazardous decomposition products

1314-13-2 zinc oxide

oral	LD50	Rat	>	10000,000	mg/kg	-
inhalative	LC50	Rat	>	5,700	mg/l	(4h)

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

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

General remarks

Toxicological tests

1314-13-2 zinc oxide

EC50	Algae		0,170	mg/l	(72h)
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SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

EC50 Desmodesmus subspicatus : >= 114,2 mg/l ... for all zinc oxide containing colours (Hydrotox; 05/2224)

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

Ecotoxicological effects

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number

080112 waste paint and varnish other than those mentioned in 08 01 11

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

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
EQ

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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 [%]

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

Hazard statements (CLP)

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

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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.

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

Appendix for material safety data sheet no.: 41 000 000

AKADEMIE® Öl color - Fine artists' oil colours

art.nr.	art.name	C.I.		CAS-nr.
41100	zinc white	PW4	Zinc oxide	1314-13-2
41102	titanium white	PW4; PW6	Zinc oxide; Titanium dioxide	1314-13-2; 13463-67-7
41104	mixing white	PW5	Barium sulfate	1345-05-7
41106	underpainting white	PW5; PW6	Barium sulfate; Titanium dioxide	1345-05-7; 13463-67-7
41200	ivory	PW6; PY53	Titanium dioxide; Rutile (Ti, Ni, Sb)	13463-67-7; 8007-18-9
41201	sand	PBr24; PW6; PY42	Rutile (Ti, Cr, Sb); Titanium dioxide; Hydrated iron oxide	68186-90-3; 13463-67-7; 20344-49-4
41202	flesh tint	PW6; PY42; PY53	Titanium dioxide; Hydrated iron oxide; Rutile (Ti, Ni, Sb)	13463-67-7; 20344-49-4; 8007-18-9
41204	Naples yellow light	PY53; PY42	Rutile (Ti, Ni, Sb); Hydrated iron oxide	8007-18-9; 20344-49-4
41207	Naples yellow deep	PBr24; PY42	Rutile (Ti, Cr, Sb); Hydrated iron oxide	68186-90-3; 20344-49-4
41216	lemon yellow	PY3	Monoazo	6486-23-3
41218	primary yellow	PY3; PY74; PW5; PW6	Monoazo; Monoazo; Barium sulfate; Titanium dioxide	6486-23-3; 6358-31-2; 1345-05-7; 13463-67-7
41220	cadmium yellow hue	PY74; PW5; PW6	Monoazo; Barium sulfate; Titanium dioxide	6358-31-2; 1345-05-7; 13463-67-7
41222	chrome yellow hue	PY74; PW5; PR101	Monoazo; Barium sulfate; Iron oxide	6358-31-2; 1345-05-7; 1309-37-1
41224	Indian yellow	PY153	Nickel-complex	68859-51-8
41226	cadmium orange hue	PO67; PY74; PW5	Pyrazolochinazolone; Monoazo; Barium sulfate	74336-59-7; 6358-31-2; 1345-05-7
41302	scarlet	PR242	Disazocondensation	118440-67-8
41304	vermilion red	PR112	Naphthol AS	6535-46-2
41306	cadmium red hue	PR254; PW5	Diketo-pyrrolo-pyrrol; Barium sulfate	122390-98-1; 1345-05-7
41308	carmine	PR170	Naphthol AS	2786-76-7
41310	ruby	PR254; PR101	Diketo-pyrrolo-pyrrol; Iron oxide	122390-98-1; 1309-37-1
41312	alizarine crimson hue	PR179	Perylen	5521-31-3
41314	primary magenta	PR122; PW5; PW6	Quinacridone; Barium sulfate; Titanium dioxide	980-26-7; 1345-05-7; 13463-67-7
41316	violet	PV23	Dioxazine	6358-30-1
41400	royal blue	PB29; PW6	Sodium aluminum silicate; Titanium dioxide	57455-37-5; 13463-67-7
41402	primary cyan	PB15:3; PW5; PW6	Phthalocyanine (Cu); Barium sulfate; Titanium dioxide	147-14-8; 1345-05-7; 13463-67-7
41404	cobalt blue hue	PB29; PB15:3; PV23; PW6; PW4	Sodium aluminum silicate; Phthalocyanine (Cu); Dioxazine; Titanium dioxide; Zinc oxide	57455-37-5; 147-14-8; 6358-30-1; 13463-67-7; 1314-13-2
41406	ultramarine	PB29	Sodium aluminum silicate	57455-37-5
41408	phthalo blue	PB15:3	Phthalocyanine (Cu)	147-14-8
41410	indigo	PB15:3; PR101	Phthalocyanine (Cu); Iron oxide	147-14-8; 1309-37-1
41412	Prussian blue	PB27	Iron-cyan-complex	14038-43-8; 25869-98-1
41414	aquamarine turquoise	PB15:3; PG7; PW6	Phthalocyanine (Cu); Phthalocyanine (Cu, Cl); Titanium dioxide	147-14-8; 1328-53-6; 13463-67-7
41500	may green	PY74; PG36; PW5; PW6	Monoazo; Phthalocyanine complex (Cu, Cl, Br); Barium sulfate; Titanium dioxide	6358-31-2; 14302-13-7; 1345-05-7; 13463-67-7
41502	chromium oxide green brilliant	PG18	Hydrated chromium oxide	12001-99-9
41504	green earth	PB60; PY150; PY42	Indanthrone; Azo-nickel-complex; Hydrated iron oxide	81-77-6; 68511-62-6; 20344-49-4
41506	sap green	PB29; PY150	Sodium aluminum silicate; Azo-nickel-complex	57455-37-5; 68511-62-6

Appendix for material safety data sheet no.: 41 000 000

AKADEMIE® Öl color - Fine artists' oil colours

art.nr.	art.name	C.I.		CAS-nr.
41508	phthalo green	PG7	Phthalocyanine (Cu, Cl)	1328-53-6
41602	yellow ochre	PY42	Hydrated iron oxide	20344-49-4
41604	raw umber	PBr7	Earth pigment	-
41606	Sienna	PY42; PR101	Hydrated iron oxide; Iron oxide	20344-49-4; 1309-37-1
41608	burnt Sienna	PR101; PBr6	Iron oxide; Iron oxide mix	1309-37-1; 72669-22-8
41610	caput mortuum	PR101	Iron oxide	1309-37-1
41612	burnt umber	PBr7	Earth pigment	-
41614	Vandyke brown	PR101; PBk7	Iron oxide; Lamp black	1309-37-1; 1333-86-4
41700	grey	PW6; PBk10	Titanium dioxide; Crystallized carbon	13463-67-7; 7782-42-5
41702	anthracite	PBk10	Crystallized carbon	7782-42-5
41704	lamp black	PBk11; PBk7	Iron oxide black; Lamp black	1317-61-9; 1333-86-4
41800	silver	Aluminiumpigment	Aluminum	-
41802	gold	Aluminiumpigment; Perlglanzpigment	Aluminum; Effectpigment	-; -