

SAFETY DATA SHEET

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

series 23 - AKADEMIE Acryl color

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

1.1 Product identifier

Trade name series 23 - AKADEMIE Acryl color & AKADEMIE Acryl color Ink
fine artists' acrylic colours

REACH registration No.

UFI

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-Strasse 2
D-40699 Erkrath
Tel +49 (0) 211 - 2509 - 0
Fax +49 (0) 211 - 2509 - 479
info@schmincke.de
www.schmincke.de

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**

**Emergencycall Berlin
+49 30-30686700
(24/7 counseling in german and english)**

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

The product is classified and labelled in accordance with EC directives/the relevant national laws.; no classification

2.2 Label elements

Labelling

Signal word

Hazard statements

no hazard labelling required

Safety precautions

Hazard components for labelling

Text for labelling (CLP)

Contains biocidal products.
Contains BIT, CIT, MIT, OIT, Bronopol: May produce an allergic reaction. (AKADEMIE Acryl color)
Contains BIT, CIT, MIT, OIT. May produce an allergic reaction. (AKADEMIE Acryl color INK)
Full text of biocides: see section 16.

2.3 Other hazards

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SECTION 3: Composition/information on ingredients

3.1 Substances

Chemical characterisation

copolymer
pigment
Water
additive

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

3.2 Mixtures

Substance 1

-- 23 800 --
aluminium: < 7,5 %
CAS: 7429-90-5
REACH: 01-2119529243-45
Flam. Sol. 1; H228

Substance 2

-- 23 800 --
propan-2-ol: < 5,0 %
CAS: 67-63-0
REACH: 01-2119457558-25
Eye Irrit. 2; H319 / Flam. Liq. 2; H225 / STOT SE 3;
H336

Additional information

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

No special measures are required. Seek medical aid in case of troubles.

In case of skin contact

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

After eye contact

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Seek medical attention if irritation persists.

After swallowing

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

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Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings. Product is non-combustible. Extinguishing materials should therefore be selected according to surroundings.

Extinguishing media which must not be used for safety reasons

Full water jet

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

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: 10 - 25 °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

7429-90-5 aluminium powder (stabilised)

DEU	WEL	10,000	mg/m ³	2(II); AGS; DFG
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67-63-0 propan-2-ol

DEU	WEL	200,000	mL/m ³	-
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DEU	WEL	380,000	mg/m ³	4(II); DFG; Y
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DNEL overview

7429-90-5 aluminium powder (stabilised)

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DNEL worker	Long-term - inhalation, system	3,72000	mg/m ³
DNEL Consumer	Long-term - oral, systemic eff	3,95000	mg/kg bw/day

DNEL overview

67-63-0 propan-2-ol

DNEL worker	Long-term - inhalation, system	950,00000	mg/m ³
DNEL worker	Long-term - dermal, systemic e	343,00000	mg/kg bw/day
DNEL Consumer	Long-term - oral, systemic eff	87,00000	mg/kg bw/day
DNEL Consumer	Long-term - inhalation, system	114,00000	mg/m ³
DNEL Consumer	Long-term - dermal, systemic e	206,00000	mg/kg bw/day

PNEC overview

7429-90-5 aluminium powder (stabilised)

PNEC aquatic, freshwater	0,07400	mg/L
PNEC sewage treatment plant (S	20,00000	mg/L

PNEC overview

67-63-0 propan-2-ol

PNEC soil	0,63000	mg/kg
PNEC aquatic, freshwater	0,96000	mg/L
PNEC aquatic, marine water	0,79000	mg/L
PNEC soil, freshwater	3,60000	mg/kg
PNEC soil, marine water	2,90000	mg/kg
PNEC sewage treatment plant (S	580,00000	mg/L

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

Safety glasses

Body protection

Wear suitable protective clothing. Take off contaminated clothing and wash it before reuse.

General protection and hygiene measures

Wash hands before breaks and after work.

SECTION 9: Physical and chemical properties

9.1 information on basic physical and chemical properties

Form	pasty (AKADEMIE Acryl color) liquid (AKADEMIE Acryl color Ink)
Colour	pigmented
Odour	weak

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

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PH 8 10

Viscosity

Viscosity

Vapour pressure

Density

Partition coefficient: n-octanol/water

1,1 - 1,4 kg/l 20 °C

Danger of explosion

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

strong oxidizing agents

10.6 Hazardous decomposition products

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Toxicological tests

7429-90-5 aluminium powder (stabilised)

inhalative	LC50	Rat	>	5,00000	mg/L	(4h)
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Toxicological tests

67-63-0 propan-2-ol

oral	LD50	Rat	>=	5000,00000	mg/kg	-
inhalative	LC50	Rat		51,00000	mg/L	(4h)
dermal	LD50	Rabbit	>	1000,00000	mg/kg	-

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

SECTION 12: Ecological information

12.1 Toxicity

Ecotoxicological effects

67-63-0 propan-2-ol

LC50	Leuciscus idus			8400,00000	mg/L	(48h)
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EC50	Chlorella vulgaris		275,00000	mg/L	(96h)
EC50	Daphnia magna (Big water flea)	>	10000,00000	mg/L	(48h)

Aquatic toxicity

Water Hazard Class

WGK 2

WGK 3: (23226 / 23228)

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

Recommendation

Package

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

Danger releasing substance

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 (ADR/RID)

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

Sea transport (IMDG)

EmS
Special provisions
Limited quantities
Package: Instructions
Package: 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 (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

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

Europe

Contents of VOC [%]
Contents of VOC

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[g/L]
Further regulations, limitations and legal requirements

Germany

Storage class
Water Hazard Class WGK 2
.
WGK 3: (23226 / 23228)

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

Canada

Further regulations, limitations and legal requirements

15.2 Chemical Safety Assessment

SECTION 16: Other information

Further information

Hazard statements (CLP) H225 Highly flammable liquid and vapour.
H228 Flammable solid.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

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

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Additional information

BIT - 1,2-benzisothiazol-3(2H)-one
CIT - 5-chloro-2-methyl-4-isothiazolin-3-one
MIT - 2-methyl-2H-isothiazol-3-one
OIT - 2-octyl-2H-isothiazol-3-one

Appendix for material safety data sheet no.: 23 000 000

AKADEMIE® Acryl color

art.nr.	art.name	C.I.		CAS-nr.
23111	titanium white	PW6	Titanium dioxide	13463-67-7
23113	buff titanium light	PW7; PW5	Zinc sulphide; Barium sulfate	1314-98-3; 1345-05-7
23115	mineral white	PW6; PY119	Titanium dioxide; Spinel (Zn, Fe)	13463-67-7; 68186-90-3
23221	ivory	PW6; PY53	Titanium dioxide; Rutile (Ti, Ni, Sb)	13463-67-7; 8007-18-9
23222	lemon yellow	PY3	Monoazo	6486-23-3
23223	cadmium yellow hue	PY74	Monoazo	6358-31-2
23224	primary yellow	PW6; PY74; PY3	Titanium dioxide; Monoazo; Monoazo	13463-67-7; 6358-31-2; 6486-23-3
23225	chrome yellow hue	PY74; PY42	Monoazo; Hydrated iron oxide	6358-31-2; 20344-49-4
23226	Indian yellow	PY83	Diaryl	5567-15-7
23227	cadmium orange hue	PY74; PO43	Monoazo; Perinone	6358-31-2; 4424-06-0
23228	cadmium yellow hue deep	PY83; PY74; PBr24	Diaryl; Monoazo; Rutile (Ti, Cr, Sb)	5567-15-7; 6358-31-2; 68186-90-3
23230	orange	PO5	Monoazo	3468-63-1
23331	flesh colour	PW6; PBr24; PR255; PR101	Titanium dioxide; Rutile (Ti, Cr, Sb); Diketo-pyrrolo-pyrrol; Iron oxide	13463-67-7; 68186-90-3; 120500-90-5; 1309-37-1
23333	vermilion red	PR112	Naphthol AS	6535-46-2
23335	cadmium red hue	PBr24; PR112; PR179	Rutile (Ti, Cr, Sb); Naphthol AS; Perylen	68186-90-3; 6535-46-2; 5521-31-3
23340	carmine red	PR170	Naphthol AS	2786-76-7
23341	cadmium red hue dark	PR170; PR112; PR101	Naphthol AS; Naphthol AS; Iron oxide	2786-76-7; 6535-46-2; 1309-37-1
23343	Alizarine crimson hue	PR179	Perylen	5521-31-3
23344	primary magenta	PR122; PW6	Quinacridone; Titanium dioxide	980-26-7; 13463-67-7
23348	lilac	PW6; PB29; PV23	Titanium dioxide; Sodium aluminum silicate; Dioxazine	13463-67-7; 57455-37-5; 6358-30-1
23440	brilliant violet	PV23	Dioxazine	6358-30-1
23441	royal blue	PW6; PB15:1; PV23	Titanium dioxide; Phthalocyanine (Cu); Dioxazine	13463-67-7; 147-14-8; 6358-30-1
23442	ultramarine blue	PB29	Sodium aluminum silicate	57455-37-5
23443	cobalt blue hue deep	PB15:1; PV23; PW6	Phthalocyanine (Cu); Dioxazine; Titanium dioxide	147-14-8; 6358-30-1; 13463-67-7
23444	indigo	PB15:1; PR101	Phthalocyanine (Cu); Iron oxide	147-14-8; 1309-37-1
23446	primary blue cyan	PW6; PB15:3	Titanium dioxide; Phthalocyanine (Cu)	13463-67-7; 147-14-8
23447	Prussian blue	PB60	Indanthrone	81-77-6
23448	phthalo blue	PB15:3	Phthalocyanine (Cu)	147-14-8
23449	cerulean blue	PB15:3; PW6	Phthalocyanine (Cu); Titanium dioxide	147-14-8; 13463-67-7
23450	turquoise	PB15:1; PG7; PW6	Phthalocyanine (Cu); Phthalocyanine (Cu, Cl); Titanium dioxide	147-14-8; 1328-53-6; 13463-67-7
23551	phthalo green	PG7	Phthalocyanine (Cu, Cl)	1328-53-6
23552	leaf green	PB15:1; PY74	Phthalocyanine (Cu); Monoazo	147-14-8; 6358-31-2
23553	phthalo green light	PG36	Phthalocyanine complex (Cu, Cl, Br)	14302-13-7
23554	permanent green	PW7; PW5; PY74; PY3; PG7	Zinc sulphide; Barium sulfate; Monoazo; Monoazo; Phthalocyanine (Cu, Cl)	1314-98-3; 1345-05-7; 6358-31-2; 6486- 23-3; 1328-53-6
23557	may green	PG36; PY74	Phthalocyanine complex (Cu, Cl, Br); Monoazo	14302-13-7; 6358-31-2
23558	olive green	PG36; PY42	Phthalocyanine complex (Cu, Cl, Br); Hydrated iron oxide	14302-13-7; 20344-49-4
23560	sap green	PY83; PB60	Diaryl; Indanthrone	5567-15-7; 81-77-6

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AKADEMIE® Acryl color

art.nr.	art.name	C.I.		CAS-nr.
23655	raw Sienna	PY42; PBr25	Hydrated iron oxide; Rutile (Ti, Cr, Sb)	20344-49-4; 68186-90-3
23656	raw umber light	PY42; PBk7	Hydrated iron oxide; Lamp black	20344-49-4; 1333-86-4
23657	pebble grey	PW6; PY42; PBk7	Titanium dioxide; Hydrated iron oxide; Lamp black	13463-67-7; 20344-49-4; 1333-86-4
23658	Payne's grey	PBk11; PBk7; PB15:3; PB60; PW6; PW5	Iron oxide black; Lamp black; Phthalocyanine (Cu); Indanthrone; Titanium dioxide; Barium sulfate	1317-61-9; 1333-86-4; 147-14-8; 81-77-6; 13463-67-7; 1345-05-7
23659	Naples yellow	PBr24	Rutile (Ti, Cr, Sb)	68186-90-3
23660	buff titanium deep	PBr24; PW6; PBk10; PY42	Rutile (Ti, Cr, Sb); Titanium dioxide; Crystallized carbon; Hydrated iron oxide	68186-90-3; 13463-67-7; 7782-42-5; 20344-49-4
23661	yellow ochre	PY42	Hydrated iron oxide	20344-49-4
23662	flesh tint	PR101; PY42; PW6	Iron oxide; Hydrated iron oxide; Titanium dioxide	1309-37-1; 20344-49-4; 13463-67-7
23663	terracotta	PR101; PY42	Iron oxide; Hydrated iron oxide	1309-37-1; 20344-49-4
23665	burnt Sienna	PR101	Iron oxide	1309-37-1
23667	raw umber	PR101; PY42; PBk7	Iron oxide; Hydrated iron oxide; Lamp black	1309-37-1; 20344-49-4; 1333-86-4
23668	Vandyke brown	PR101; PBk7	Iron oxide; Lamp black	1309-37-1; 1333-86-4
23669	burnt umber	PR101; PBk11	Iron oxide; Iron oxide black	1309-37-1; 1317-61-9
23770	Mars black	PBk11	Iron oxide black	1317-61-9
23771	lamp black	PBk11; PBk7	Iron oxide black; Lamp black	1317-61-9; 1333-86-4
23800	silver	Aluminiumpigment	Aluminum	-
23801	gold	Effectpigment	-	-
23802	copper	Effectpigment	-	-
23806	graphite	PBk10	Crystallized carbon	7782-42-5
23840	fluorescent white	Effectpigment	-	-
23845	neon yellow	Effectpigment	-	-
23850	neon orange	Effectpigment	-	-
23855	neon pink	Effectpigment	-	-