

# SAFETY DATA SHEET

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

## series 23 - AKADEMIE Acryl color

Article No.	23111011	titanium white	Issue date:	29.10.19
Version	7.1	( 29.10.19 )	Page	1 / 8

### 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

#### 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-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**

### 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 statements**

no hazard labelling required

**Safety precautions**

**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.

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### 2.3 Other hazards

## SECTION 3: Composition / information on ingredients

### 3.1 Substances

#### Chemical characterisation

copolymer  
pigment  
Water  
additive

CAS-Number  
EINECS / ELINCS / NLP  
EU index number  
REACH registration No.  
Hazchem-Code

### 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

Suitable extinguishing media

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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

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

DEU	WEL	200,000	mL/m <sup>3</sup>	-
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DEU	WEL	500,000	mg/m <sup>3</sup>	2(II); DFG; Y
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### 8.2 Exposure controls

#### Occupational exposure controls

Respiratory protection

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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			
PH value	8	10	
Viscosity			
Viscosity			
Vapour pressure			
Density		1,1 - 1,4 kg/l	20 °C
Partition coefficient: n-octanol/water			

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

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

67-63-0 propan-2-ol

oral	LD50	Rat	>=	5050,00000	mg/kg	-
dermal	LD50	Rabbit		12800,00000	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	fish	>	1000,00000	mg/l	(96h)
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#### 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 waste paint and varnish other than those mentioned in 08 01 11

##### Recommendation

#### Contaminated packaging

##### Waste key number

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### 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

### 14.5 Environmental hazards

Marine Pollutant - IMDG

### 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

#### 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  
EQ

#### Air transport (IATA-DGR)

Hazard

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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  
[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

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### 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

##### 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

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

### 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	-	-