

# Material Safety Data Sheet according to 2001 / 58 / EEC

AVANTGARDE Silk Paints

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## 1. IDENTIFICATION OF SUBSTANCE, PREPARATION AND COMPANY

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### Trade name

AVANTGARDE Silk Paints	Art.-No. 94301 - 94369	30 ml
AVANTGARDE Silk Paints	Art.-No. 94101 - 94169	100 ml
AVANTGARDE Silk Paints	Art.-No. 94201 - 94269	275 ml
AVANTGARDE Silk Paints	Art.-No. 94701 - 94769	1000 ml
AVANTGARDE Creative Set	Art.-No. 94445	4 x 30 ml
AVANTGARDE Silk Paint Set	Art.-No. 94400	6 x 30 ml
AVANTGARDE Sales Display Silk Paints	Art.-No. 94530	432 x 30 ml
AVANTGARDE Sales Display Silk Paints	Art.-No. 94510	216 x 100 ml
AVANTGARDE Counter Display Silk Paints	Art.-No. 94540	240 x 30 ml

### Use of the substance / preparation:

Silk paints.

### Manufacturer/Supplier

C. KREUL GmbH & Co. KG  
Carl-Kreul-Strasse 2  
D – 91352 Hallerndorf

### Telephone/Telefax

Tel. No. +49 (0) 9545 925-0  
Fax No. +49 (0) 9545 925-401

### Emergency information

Tel. No. +49 (0) 9545 925-400  
Fax No. +49 (0) 9545 925-401

## 2. COMPOSITION / INFORMATION ON COMPONENTS

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### Chemical characterization

Aqueous dye solution.

### Hazardous components

Diethylen glycol monobutyl ether  
Concentration: 1 - 5 %  
Symbol: Xi

CAS-No.: 112-34-5  
R: 36

Ethanol  
Concentration: 1 – 5 %  
Symbol: F

CAS-No.: 64-17-5  
R: 11

2-Methylpropan-1-ol  
Concentration: < 2,5 %  
Symbol: Xn

CAS-No.: 78-83-1  
R: 10-20-37/38-41-67

1-Methoxy-2-propanol  
Concentration: < 2,5 %  
Symbol: -

CAS-No.: 107-98-2  
R: 10

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Azo dye <sup>1)</sup> Concentration: 1 - 2,5 % Symbol: Xi, N	CAS-No.: - R: 36-51/53
C.I. Acid Red 145 <sup>2)</sup> Concentration: 1 - 2,5 % Symbol: Xi	CAS-No.: - R: 36
C.I. Acid Violet 48 <sup>3)</sup> Concentration: 1 - 2,5 % Symbol: Xi	CAS-No.: - R: 36-52/53
Metal complex contains Cr III <sup>4)</sup> Concentration: 1 - 2,5 % Symbol: Xi	CAS-No.: - R: 36
C.I. Acid Black 172 <sup>5)</sup> Concentration: 1 - 5 % Symbol: N	CAS-No.: - R: 51/53
C.I. Acid Blue 204 <sup>6)</sup> Concentration: 1 - 5 % Symbol: -	CAS-No.: - R: 52/53
Triaryl methane dye <sup>7)</sup> Concentration: 1 - 2,5 % Symbol: -	CAS-No.: - R: 52/53

<sup>1)</sup> contained in Vermillion, Magenta, Pink, Carmine Red, Bordeaux

<sup>2)</sup> contained in Rust, Tangerine, Fawn Brown, Malt, Cuba, Anthracite, Scarlet Red, Brown, Tomato, Bordeaux, Graphite, Cherry, Red

<sup>3)</sup> contained in Lavender, Dark Blue

<sup>4)</sup> contained in Black, Sapphire

<sup>5)</sup> contained in Black

<sup>6)</sup> contained in Blue, Atlantic

<sup>7)</sup> contained in Royal Blue, Iris

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### 3. HAZARD IDENTIFICATION

#### Hazard designation

The product is not classified as hazardous according to EEC directives. No known hazards if used according to the instructions.

#### Particular information pertaining specific risk for human and environment

None, if handled according order.

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### 4. FIRST AID MEASURES

#### General

No special measures required. In case of persistent symptoms consult doctor. Until now no symptoms known so far.

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### After inhalation

Supply fresh air; consult doctor in case of symptoms.

### After skin contact

Remove contaminated clothing. Wash away with soap, water and rinse. Do NOT use solvents or thinners.

### After eye contact

Remove contact lens. Irrigate copiously with clean, fresh water for at least 10 - 15 minutes, holding the eyelids apart and if symptoms persist, seek medical advice.

### After ingestion

Drink large amounts of water. In case of persistent symptoms consult doctor.

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## 5. FIRE-FIGHTING MEASURES

### Extinguishing media – suitable

Extinguishing powder, water spray, and carbon dioxide. Adapt extinguishing measures to suit the environment. Not to be used: water-jet.

### Special risk posed by the substance or by the actual preparation, its combustion products or gases discharged

Fire will produce dense black smoke. Exposure to decomposition, such carbon monoxide and dioxide, smoke, oxides of nitrogen, products may cause a health hazard.

### Special protective equipment

When extinguishing fires, use breathing apparatus with an independent source of air.

### Additional information

Do not allow the quenching water into the sewage system. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. See part 3, 8 and 10.

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## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions

Avoid contact with skin and eyes. Refer to protective measures listed in section 7 and 8.

### Environmental precautions

Do not empty into drains or watercourses. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

### Methods for cleaning up / collecting

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents. Further instructions see part 4, 10 and 13.

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## 7. HANDLING AND STORAGE

### Information for safe handling

No special measures necessary if stored and handled as prescribed. Personal protections see Section 8.

### Information about protection against explosions and fires

No special measures necessary.

### Requirements to be met by storerooms and containers

Storage: cool. Protect from frost. Do not leave vessels/containers open.

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### Information about separation of incompatible products

None, under normal storage conditions.

### Further information about storage conditions

Observe label precautions. Store between 5 and 40 °C in a dry, well-ventilated place away from sources of heat and direct sunlight. Containers, which are opened, must be carefully resealed and kept upright to prevent leakage.

**Storage class (VCI):** 12

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## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

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### Additional information about engineering measures

No special risks if handled in accordance with good industrial hygiene practice and any legal requirements.

### Components with critical values that require monitoring at the workplace (exposure limits)

#### Diethylen glycol monobutyl ether

Specification: AGW

Value: 100 mg/m<sup>3</sup>

CAS-No.: 112-34-5

#### Ethanol

Specification: AGW

Value: 500 ppm

CAS-No.: 64-17-5

#### 2-Methylpropan-1-ol

Specification: AGW

Value: 100 ppm

CAS-No.: 78-83-1

#### 1-Methoxy-2-propanol

Specification: AGW

Value: 100 ppm

CAS-No.: 107-98-2

AGW: German occupational exposure limit values.

### Personal protective equipment

#### General protective and hygiene measures

Do not eat or drink during work – no smoking. Remove soiled or soaked clothing immediately. Wash soiled clothing immediately. Wash hands before breaks and after work.

#### Respiratory protection

Provide good ventilation when handling large quantities.

**Respiratory filter (gas):** -

#### Skin protection

Avoid contact with skin. Use rubber gloves.

#### Eye protection

Avoid contact with eyes. Use safety glasses.

#### Body protection

All parts of the body should be washed after contact. Light protective clothing.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Image

**Form:** liquid  
**Color:** refer to label  
**Odour:** characteristic

#### Relevant safety data

**Flashpoint:** not determined  
**Ignition temperature:** not applicable  
**Explosive limits:**  
Lower / Upper: product is not explosive  
**Vapour pressure:** (20 °C) not determined  
**Density:** (20 °C) approx. 1,0 g/cm<sup>3</sup>  
**pH-value:** 6 – 8,5  
**Viscosity:** not determined  
**Solubility in water:** miscible

### 10. STABILITY AND REACTIVITY

#### Conditions to avoid

None, if handled according to order.

#### Dangerous decomposition products

None, if handled according to order.

#### Further information:

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

### 11. TOXICOLOGICAL INFORMATION

There are no data available on the preparation itself. The product does not present special risks on humans if in accordance with good industrial hygiene practice and any legal requirements.

### 12. ECOLOGICAL INFORMATION

#### Details on elimination (persistence / degradability)

There are no data available on the preparation itself. Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system. The product does not special risks on environment if used in accordance with good industrial hygiene practice and any legal requirements. Water pollution classification: see part 15.

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## 13. DISPOSAL CONSIDERATIONS

### Product

#### Recommendation

Do not empty into waters or drains. Disposal in accordance with local official regulations.

EWC No.: 08 01 12                      wastes of paint and varnish with exception of those under  
08 01 11

### Contaminated packaging

#### Recommendation

Contaminated packaging must be emptied of all residues and, following appropriate cleaning, may be sent to a recycling plant. Uncleaned packaging must be disposed of in the same manner as the medium.

EWC No.: 15 01 07                      glass wastes

## 14. TRANSPORT INFORMATION

Land transport ADR/RID	Not classified as hazardous.
Class: -	Kemler-Code: -
Packaging group: -	Label: -
Classification-Code: -	Limit: -
UN-No.: -	Proper shipping name: -

Maritime transport IMDG/GGVSea	Not classified as hazardous.
IMDG-Class: -	IMDG-Page: -
Packaging group: -	Label: -
Marine pollutant: -	Limit: -
MFAG-Table: -	EmS-No.: -
UN-No.: -	Proper shipping name: -

Air transport ICAO/IATA	Not classified as hazardous.
IATA-Class: -	IATA-Page: -
Packaging group: -	Label: -
UN-No.: -	Proper shipping name: -

Annotation: -

## 15. REGULATORY INFORMATION

### Classification according to EEC directives

#### Danger symbol and danger designation

Not classified as hazardous.

Risk-phrases -

Safety-phrases -

Additional information -

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### National regulations

Regulation on inflammable liquids -

Emission control act ("TA-Luft") -

Water pollution classification

Navy Blue, Fir Green, Vermillion, Paynes Gray, Bordeaux, Paris Blue WGK 2 (self-assessment)

Black WGK 3 (self-assessment)

The other silk paints: WGK 1 (self-assessment)

Volatile organic compounds (VOC's) 4,5 %, 1,4 g/30ml, 4,5 g/100ml  
12,4 g/275ml, 0,045g/L (Swiss)

### Other regulations

Please check local regulations.

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## 16. OTHER INFORMATION

Full text of R phrases appearing in section 2:

- 10 Flammable.
- 11 Highly flammable.
- 20 Harmful by inhalation.
- 36 Irritating to eyes.
- 37/38 Irritating respiratory system and skin.
- 41 Risk of serious damage to eyes.
- 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 67 Vapours may cause drowsiness and dizziness.

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.