

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**Albrecht Dürer Aquarell-Marker 30 Colours**

Revision date: 19.12.2018

Product code: 100-106-xxx

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**1. Identification****Product identifier**

Albrecht Dürer Aquarell-Marker 30 Colours

**Further trade names**

Albrecht Dürer Aquarell-Marker

**Recommended use of the chemical and restrictions on use****Use of the substance/mixture**Ink.  
Artificial painting and drawing.**Details of the supplier of the safety data sheet**

Company name: A.W. Faber-Castell Ges.m.b.H  
Austria

Street: Saag 7  
Place: A-4090 Engelhartzell

Telephone: +43 (0)-7717-8053-0      Telefax: +43 (0)-7717-8053-4344

Contact person: Dr. Gerhard Lugert  
e-mail: Gerhard.Lugert@faber-castell.de

Responsible Department: Faber-Castell AG  
Nürnberger Str. 2  
D-90546 Stein  
Departement TEC  
Dr. Gerhard Lugert, +49 (0) -911-9965 5550, privat: +49 (0)-911-61 64 26  
Wolfgang Schwarz, +49 (0) -911-9965 5878

**Emergency phone number:** +49 (0) -911-9965 5550  
+49 (0) -911-61 64 26

**2. Hazard(s) identification****Classification of the chemical****29 CFR Part 1910.1200**

This mixture is not classified as hazardous in accordance with Regulation 29 CFR 1910.1200(d).

**Label elements****Hazards not otherwise classified**

No data available.

**3. Composition/information on ingredients****Mixtures****Chemical characterization**Preparation.  
Water-based ink with pigments, binders, humiditing agents, preservatives and surface active agents.**Hazardous components**

CAS No	Components	Quantity
26530-20-1	octhilonone (ISO); 2-octyl-2H-isothiazol-3-one	0.0075 %

**4. First-aid measures****Description of first aid measures**



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#### General information

- Remove contaminated clothing immediately and dispose off safely.
- If victim is at risk of losing consciousness, position and transport on their side.
- Turn a vomiting person to the side.

#### After inhalation

- In case of feeling unwell seek medical advice.

#### After contact with skin

- Wash immediately with soap and plenty of water.

#### After contact with eyes

- Rinse with eyelid held open for several minutes with running water. Medical treatment necessary.

#### After ingestion

- Drink large amounts of water and fresh air.

#### Most important symptoms and effects, both acute and delayed

- No data available.

#### Indication of any immediate medical attention and special treatment needed

- No data available.

### 5. Fire-fighting measures

#### Extinguishing media

##### Suitable extinguishing media

- none, ink not burnable.
- If packaging or plastic boxes are burning: Carbon dioxide (CO<sub>2</sub>). Extinguishing powder. Water spray. Fight against a major burning with: Water spray.

##### Unsuitable extinguishing media

- For this substance / preparation no extinguishing agent restriction exist.

#### Specific hazards arising from the chemical

- No specific hazards known.

#### Special protective equipment and precautions for fire-fighters

- No special protective equipment.

#### Additional information

- Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

### 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

- Provide adequate ventilation. Avoid contact with skin, eyes and clothes. Change contaminated clothing.

#### Environmental precautions

- Do not allow to enter into surface water or drains.

#### Methods and material for containment and cleaning up

- Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

#### Reference to other sections

- Information for safe handling, see section 7.
- Information for personal protective equipment, see section 8.
- Information for disposal, see section 13.

### 7. Handling and storage

#### Precautions for safe handling



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#### Advice on safe handling

Keep container tightly closed.

#### Advice on protection against fire and explosion

No special measures are necessary.

#### Further information on handling

No special measures are necessary.

#### Conditions for safe storage, including any incompatibilities

##### Requirements for storage rooms and vessels

Protect from freezing.

Recommended storage temperature: 5 - 35 °C

##### Hints on joint storage

none/none

### 8. Exposure controls/personal protection

#### Control parameters

#### Exposure controls

##### Protective and hygiene measures

none/none

##### Eye/face protection

For normal use not necessary.

##### Hand protection

For normal use not necessary.

##### Skin protection

For normal use not necessary.

##### Respiratory protection

not necessary

### 9. Physical and chemical properties

#### Information on basic physical and chemical properties

Physical state:	liquid
Color:	several
Odor:	neutral
pH-Value:	8,4

#### **Changes in the physical state**

Melting point/freezing point:	10 °C
Initial boiling point and boiling range:	100 °C
Sublimation point:	No data available.
Softening point:	No data available.
Pour point:	No data available.
:	No data available.
Flash point:	> 109 °C
Sustaining combustion:	Not sustaining combustion

#### **Flammability**

Solid:	No data available.
Gas:	No data available.



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#### Explosive properties

not explosive.

Lower explosion limits:

No data available.

Upper explosion limits:

No data available.

Ignition temperature:

>400 °C

#### Auto-ignition temperature

Solid:

No data available.

Gas:

No data available.

Decomposition temperature:

No data available.

#### Oxidizing properties

Not oxidizing.

Vapor pressure:

No data available.

(at 20 °C)

Vapor pressure:

No data available.

Density (at 20 °C):

1 g/cm<sup>3</sup>

Bulk density:

No data available.

Water solubility:

completely miscible

#### Solubility in other solvents

No data available.

Partition coefficient:

No data available.

Viscosity / dynamic:

7,4 mPa·s

(at 20 °C)

Viscosity / kinematic:

No data available.

Flow time:

No data available.

Vapor density:

No data available.

Evaporation rate:

No data available.

Solvent separation test:

No data available.

Solvent content:

ca. 10-20 %

#### Other information

Solid content:

ca. 10 %

## 10. Stability and reactivity

#### Reactivity

not reactive.

#### Chemical stability

Stability:

Stable

not proof against strong acids and bases.

Not proof against oxidizing and reducing agents.

#### Possibility of hazardous reactions

Hazardous reactions:

Will not occur

No hazardous reactions known.

#### Conditions to avoid

No data available.

#### Incompatible materials

strong acids.



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strong oxidizers  
Reducing agent, strong

#### Hazardous decomposition products

none known

## 11. Toxicological information

### Information on toxicological effects

#### **Acute toxicity**

LD50: &gt; 4000 mg/kg (Acute toxicity, oral, Rat calculated)

CAS No	Components				
	Exposure route	Dose	Species	Source	Method
26530-20-1	octhilineone (ISO); 2-octyl-2H-isothiazol-3-one				
	oral	ATE 500 mg/kg			
	dermal	ATE 300 mg/kg			
	inhalation vapour	ATE 3 mg/l			
	inhalation aerosol	ATE 0,5 mg/l			

#### **Irritation and corrosivity**

Primary irritation: Irritation on skin: none known

Irritation on eye: Slight irritation possible

Carcinogenicity (OSHA): No ingredient of this mixture is listed.

Carcinogenicity (IARC): Triethanolamine (CAS 102-71-6) is listed in group 3.

Carcinogenicity (NTP): No ingredient of this mixture is listed.

## 12. Ecological information

### Ecotoxicity

Not toxic.

### Persistence and degradability

No data available.

### Bioaccumulative potential

No data available.

### Mobility in soil

No data available.

### Other adverse effects

No data available.

## 13. Disposal considerations

### Waste treatment methods

#### **Advice on disposal**

Waste disposal according to official state regulations and local regulations.

Disposal identification:

Water-based inks

#### **Contaminated packaging**

Clean with water.

## 14. Transport information



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#### US DOT 49 CFR 172.101

**Proper shipping name:**

Not a hazardous material with respect to these transport regulations.

#### Marine transport (IMDG)

**UN number:**

No dangerous good in sense of this transport regulation.

**UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

**Packing group:**

No dangerous good in sense of this transport regulation.

**Other applicable information (marine transport)**

No dangerous good in sense of this transport regulation.

#### Air transport (ICAO-TI/IATA-DGR)

**UN number:**

No dangerous good in sense of this transport regulation.

**UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

**Packing group:**

No dangerous good in sense of this transport regulation.

**Other applicable information (air transport)**

No dangerous good in sense of this transport regulation.

#### Environmental hazards

ENVIRONMENTALLY HAZARDOUS: yes

#### Special precautions for user

No data available.

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available.

#### Other applicable information

No dangerous good in sense of these transport regulations.

### 15. Regulatory information

#### U.S. Regulations

##### National regulatory information

SARA Section 311/312 Hazards:

octhilineone (ISO); 2-octyl-2H-isothiazol-3-one (26530-20-1): Immediate (acute) health hazard

##### State Regulations

##### Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)

This product contains no chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

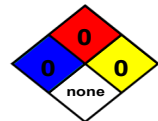
### 16. Other information

#### Hazardous Materials Information Label (HMIS)

Health: 0  
Flammability: 0  
Physical Hazard: 0

#### NFPA Hazard Ratings

Health: 0  
Flammability: 0  
Reactivity: 0  
Unique Hazard: none



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Revision No: 1,01

**Abbreviations and acronyms**

EC: European Community

CAS: Chemical Abstracts

TRGS: Technische Regeln für Gefahrstoffe

LD: letal Dose

DIN: Deutsches Institut für Normung

VwVwS: Verwaltungsvorschrift wassergefährdende Stoffe

A.W.: Anton Wolfgang

HZVA: Herstellung, Zubereitung, Vertrieb und Anwendung. Abkürzung aus dem Europäischen

Abfallverzeichnis.

VOC: Volatile Organice Compounds

EN: Europäische Norm

**Other data**

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*