

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 15.12.2021

Version number 11 (replaces version 10)

Revision: 15.12.2021

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

##### 1.1 Product identifier

Trade name: **DUPLI-COLOR CERAMIC Touch-up-pencil**

Article number: 334917, 670404, 398308alt, 510960alt, 616921alt

1.2 Relevant identified uses of the substance or mixture and uses advised against  
No further relevant information available.

##### Sector of Use

SU21 Consumer uses: Private households / general public / consumers

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Product category PC9a Coatings and paints, thinners, paint removers

Process category PROC10 Roller application or brushing

Application of the substance / the mixture Paint

##### 1.3 Details of the supplier of the safety data sheet

##### Manufacturer/Supplier:

European Aerosols GmbH\*

Kurt Vogelsang Strasse 6

D-74855 Haßmersheim

Tel.: +49 (0) 6266 750

e-mail: sds-de@european-aerosols.com

\*Formerly known as Motip Dupli GmbH

Further information obtainable from: Department Product Safety

##### 1.4 Emergency telephone number:

Tel.: +49 6266-75-310

Fax +49 6266-75-362

(Mo - Th 08:00 am - 04:00 pm, Fr 08:00 am - 00:30 pm)

UK:

Public emergency phone no: 111

Only for healthcare professionals: 0344 892 0111

Ireland:

Poison center if child has been poisoned: 01 809 2166 (8:00 am - 10:00 pm, 7 days)

Only for healthcare professionals: 01 809 2566 (24 h / 7 days)

Tox Info Suisse 145 (24-h-emergency number)

#### SECTION 2: Hazards identification

##### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



STOT SE 3 H336 May cause drowsiness or dizziness.

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### 2.2 Label elements

#### Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

#### Hazard pictograms



GHS02 GHS07

#### Signal word Warning

#### Hazard-determining components of labelling:

*n*-butyl acetate

2-methoxy-1-methylethyl acetate

#### Hazard statements

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

#### Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P260 Do not breathe vapours.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P403 Store in a well-ventilated place.

P501 Dispose of contents / container in accordance with regional regulations.

#### Additional information:

In container sizes up to 125ml the labelling can be reduced in accordance with Article 29 (2) in connection with Annex I No. 1.5.2.

EUH066 Repeated exposure may cause skin dryness or cracking.

### 2.3 Other hazards

#### Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

**Description:** Mixture of substances listed below with nonhazardous additions.

#### Dangerous components:

|   |   |         |
|---|---|---------|
| CAS: 123-86-4<br>EINECS: 204-658-1<br>Index number: 607-025-00-1<br>Reg.nr.: 01-2119485493-29 | <i>n</i> -butyl acetate<br>Flam. Liq. 3, H226<br>STOT SE 3, H336<br>EUH066  | 25-<50% |
| CAS: 9004-70-0  | cellulose nitrate<br>Flam. Sol. 1, H228   | 5-<10%  |
| EC number: 905-588-0<br>Index number: 601-022-00-9<br>Reg.nr.: 01-2119488216-32               | xylene<br>Flam. Liq. 3, H226<br>STOT RE 2, H373; Asp. Tox. 1, H304<br>Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315;<br>Eye Irrit. 2, H319; STOT SE 3, H335 | 5-<10%  |

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|   |   |         |
|---|---|---------|
| CAS: 108-65-6<br>EINECS: 203-603-9<br>Index number: 607-195-00-7<br>Reg.nr.: 01-2119475791-29   | 2-methoxy-1-methylethyl acetate<br>Flam. Liq. 3, H226<br>STOT SE 3, H336  | 5-<10%  |
| CAS: 64-17-5<br>EINECS: 200-578-6<br>Index number: 603-002-00-5<br>Reg.nr.: 01-2119457610-43    | ethanol<br>Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>Specific concentration limit: Eye Irrit. 2; H319: C ≥ 50 % | 2.5-<5% |
| CAS: 13463-67-7<br>EINECS: 236-675-5<br>Index number: 022-006-00-2<br>Reg.nr.: 01-2119489379-17 | titanium dioxide<br>Carc. 2, H351   | 2.5-<5% |

**Additional information:**

The content of Benzene (EINECS-Nr. 200-753-7) in the ingredients is less than 0,1% (Note P Annex IA 1272/2008 EU), so the classification as carcinogen need not to apply.

xylene: Contains ethylbenzene CAS 100-41-4

For the wording of the listed hazard phrases refer to section 16.

**SECTION 4: First aid measures****4.1 Description of first aid measures**

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** Drink plenty of water and provide fresh air. Call for a doctor immediately.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

**SECTION 5: Firefighting measures**

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**  
During heating or in case of fire poisonous gases are produced.
- **5.3 Advice for firefighters -**
- **Protective equipment:** Mouth respiratory protective device.

**SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Mount respiratory protective device.  
Wear protective equipment. Keep unprotected persons away.  
Keep away from ignition sources.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

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### SECTION 7: Handling and storage

#### · 7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

#### · Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

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

##### · Storage:

· Requirements to be met by storerooms and receptacles: No special requirements.

· Information about storage in one common storage facility: Not required.

· Further information about storage conditions: Keep container tightly sealed.

· Storage class: 3

· 7.3 Specific end use(s) No further relevant information available.

### SECTION 8: Exposure controls/personal protection

#### · 8.1 Control parameters

##### · Ingredients with limit values that require monitoring at the workplace:

##### 123-86-4 n-butyl acetate

WEL Short-term value: 966 mg/m<sup>3</sup>, 200 ppmLong-term value: 724 mg/m<sup>3</sup>, 150 ppm

##### xylene

WEL Short-term value: 441 mg/m<sup>3</sup>, 100 ppmLong-term value: 220 mg/m<sup>3</sup>, 50 ppm

Sk; BMGV

##### 108-65-6 2-methoxy-1-methylethyl acetate

WEL Short-term value: 548 mg/m<sup>3</sup>, 100 ppmLong-term value: 274 mg/m<sup>3</sup>, 50 ppm

Sk

##### 64-17-5 ethanol

WEL Long-term value: 1920 mg/m<sup>3</sup>, 1000 ppm

##### · Ingredients with biological limit values:

##### xylene

BMGV 650 mmol/mol creatinine

Medium: urine

Sampling time: post shift

Parameter: methyl hippuric acid

· Additional information: The lists valid during the making were used as basis.

#### · 8.2 Exposure controls

· Appropriate engineering controls No further data; see item 7.

· Individual protection measures, such as personal protective equipment

· General protective and hygienic measures:

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

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**· Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Filter A2/P3

- **Hand protection** Not required.
- **Material of gloves** Not required.
- **Penetration time of glove material** Not required.
- **Eye/face protection**



Tightly sealed goggles

### SECTION 9: Physical and chemical properties

**· 9.1 Information on basic physical and chemical properties****· General Information****· Physical state**

Fluid

**· Colour:**

According to product specification

**· Odour:**

Characteristic

**· Odour threshold:**

Not determined.

**· Melting point/freezing point:**

Undetermined.

**· Boiling point or initial boiling point and boiling range**

78 °C (172.4 °F) (9004-70-0 cellulose nitrate)

**· Flammability**

Not applicable.

**· Lower and upper explosion limit****· Lower:**

1.2 Vol % (123-86-4 n-butyl acetate)

**· Upper:**

7.5 Vol % (123-86-4 n-butyl acetate)

**· Flash point:**

27 °C (80.6 °F)

**· Decomposition temperature:**

Not determined.

**· pH**

Mixture is non-soluble (in water).

**· Viscosity:****· Kinematic viscosity at 20 °C (68 °F)**

60 s (ISO 4 mm)

**· Dynamic:**

Not determined.

**· Solubility****· water:**

Not miscible or difficult to mix.

**· Partition coefficient n-octanol/water (log value)**

Not determined.

**· Vapour pressure at 20 °C (68 °F):**

13 hPa (9.8 mm Hg) (123-86-4 n-butyl acetate)

**· Density and/or relative density****· Density at 20 °C (68 °F):**1 g/cm<sup>3</sup> (8.3 lbs/gal)**· Relative density**

Not determined.

**· Vapour density**

Not determined.

**· 9.2 Other information****· Appearance:****· Form:**

Fluid

**· Important information on protection of health and environment, and on safety.****· Ignition temperature:**

180 °C (356 °F)

**· Explosive properties:**

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

**· Solvent content:****· Organic solvents:**

62.2 %

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|   |                              |
|---|------------------------------|
| · VOC (EC)  | ---                          |
| · VOC-EU%   | 620.0 g/l                    |
| · VOC-EU%   | 62.20 %                      |
| · Solids content:   | 35.4 %                       |
| · Change in condition   |                              |
| · Evaporation rate  | Not determined.              |
| · Information with regard to physical hazard classes                        |                              |
| · Explosives  | Void                         |
| · Flammable gases   | Void                         |
| · Aerosols  | Void                         |
| · Oxidising gases   | Void                         |
| · Gases under pressure  | Void                         |
| · Flammable liquids   | Flammable liquid and vapour. |
| · Flammable solids  | Void                         |
| · Self-reactive substances and mixtures                                     | Void                         |
| · Pyrophoric liquids  | Void                         |
| · Pyrophoric solids   | Void                         |
| · Self-heating substances and mixtures                                      | Void                         |
| · Substances and mixtures, which emit flammable gases in contact with water | Void                         |
| · Oxidising liquids   | Void                         |
| · Oxidising solids  | Void                         |
| · Organic peroxides   | Void                         |
| · Corrosive to metals   | Void                         |
| · Desensitised explosives   | Void                         |

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### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

\*

### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity**

#### · LD/LC50 values relevant for classification:

##### 123-86-4 n-butyl acetate

|            |            |                              |
|------------|------------|------------------------------|
| Oral       | LD50       | 10800 mg/kg (rat) (OECD 401) |
| Dermal     | LD50       | >17600 mg/kg (rabbit)        |
| Inhalative | LC50 / 4 h | >21 mg/m <sup>3</sup> (rat)  |

##### xylene

|            |            |                               |
|------------|------------|-------------------------------|
| Oral       | LD50       | 3523 mg/kg (rat)              |
| Dermal     | LD50       | 2000 mg/kg (rabbit)           |
| Inhalative | LC50 / 4 h | 29000 mg/m <sup>3</sup> (rat) |

##### 108-65-6 2-methoxy-1-methylethyl acetate

|        |      |                      |
|--------|------|----------------------|
| Oral   | LD50 | 8530 mg/kg (rat)     |
| Dermal | LD50 | >5000 mg/kg (rabbit) |

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|  |            |                                |
|--|------------|--------------------------------|
| Inhalative   | LC50 / 4 h | >10000 mg/m <sup>3</sup> (rat) |
| <b>64-17-5 ethanol</b>   |            |                                |
| Oral   | LD50       | 10470 mg/kg (rat)              |
| Dermal   | LD50       | >2000 mg/kg (rat)              |
| Inhalative   | LC50 / 4h  | 120 mg/l (rat)                 |
| <ul style="list-style-type: none"> <li>• <b>Skin corrosion/irritation</b> No irritant effect.</li> <li>• <b>Serious eye damage/irritation</b> No irritating effect.</li> <li>• <b>Respiratory or skin sensitisation</b> No sensitising effects known.</li> <li>• <b>STOT-single exposure</b> May cause drowsiness or dizziness.</li> <li>• <b>11.2 Information on other hazards</b></li> </ul> |            |                                |
| <ul style="list-style-type: none"> <li>• <b>Endocrine disrupting properties</b></li> </ul>   |            |                                |
| None of the ingredients is listed.   |            |                                |

## SECTION 12: Ecological information

### • 12.1 Toxicity

#### • Aquatic toxicity:

##### xylene

EC50 / 48 h 7.4 mg/l (daphnia magna)

LC50 / 96 h 13.5 mg/l (fish)

##### 108-65-6 2-methoxy-1-methylethyl acetate

EC50 / 48 h &gt;500 mg/l (daphnia magna)

LC50 / 96 h 100-180 mg/l (oncorhynchus mykiss / Regenbogenforelle)

##### 64-17-5 ethanol

LC50/96h 13000 mg/l (oncorhynchus mykiss / Regenbogenforelle)

EC50 / 48 h 12900 mg/l (algae)

LC50 / 48 h 12340 mg/l (daphnia magna)

- **12.2 Persistence and degradability** No further relevant information available.

- **12.3 Bioaccumulative potential** No further relevant information available.

- **12.4 Mobility in soil** No further relevant information available.

### • 12.5 Results of PBT and vPvB assessment

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

### • 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

### • 12.7 Other adverse effects

#### • Additional ecological information:

##### • General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

## SECTION 13: Disposal considerations

### • 13.1 Waste treatment methods

#### • Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

#### • Uncleaned packaging:

#### • Recommendation:

Disposal must be made according to official regulations.

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Disposal must be made according to official regulations.

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**SECTION 14: Transport information**

- 14.1 UN number or ID number
- ADR, IMDG, IATA

UN1263

- 14.2 UN proper shipping name

- ADR
- IMDG, IATA

1263 PAINT  
PAINT

- 14.3 Transport hazard class(es)

- ADR



- Class
- Label

3 (F1) Flammable liquids.  
3

- IMDG, IATA



- Class
- Label

3 Flammable liquids.  
3

- 14.4 Packing group

- ADR, IMDG, IATA

III

- 14.5 Environmental hazards:

- Marine pollutant:

Yes

- 14.6 Special precautions for user

- Hazard identification number (Kemler code):
- EMS Number:
- Stowage Category

Warning: Flammable liquids.  
30  
F-E,S-E  
A

- 14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

- Transport/Additional information:

- ADR

- Limited quantities (LQ)
- Excepted quantities (EQ)

5L  
Code: E1  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 1000 ml

- Transport category

- Tunnel restriction code

3  
D/E

- IMDG

- Limited quantities (LQ)
- Excepted quantities (EQ)

5L  
Code: E1  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 1000 ml

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· UN "Model Regulation":

UN 1263 PAINT, 3, III

### SECTION 15: Regulatory information

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

· Directive 2012/18/EU

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.· **Seveso category P5c** FLAMMABLE LIQUIDS· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5000 t· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50000 t· **National regulations:**· **Other regulations, limitations and prohibitive regulations**· **Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients is listed.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

#### · Relevant phrases

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H228 Flammable solid.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H351 Suspected of causing cancer.

H373 May cause damage to organs through prolonged or repeated exposure.

EUH066 Repeated exposure may cause skin dryness or cracking.

#### · Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Flam. Sol. 1: Flammable solids – Category 1

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

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*Eye Irrit. 2: Serious eye damage/eye irritation – Category 2**Carc. 2: Carcinogenicity – Category 2**STOT SE 3: Specific target organ toxicity (single exposure) – Category 3**STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2**Asp. Tox. 1: Aspiration hazard – Category 1***· \* Data compared to the previous version altered.**

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