

# EC safety data sheet

**Trade name:** Paint Marker ink, silver

**Current version :** 3.0.0, issued: 05.05.2020

**Replaced version:** 2.2.0, issued: 04.05.2020

**Region:** GB

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

### 1.1 Product identifier

**Trade name**

*Folia articlino.: 1819 and 1829 - paint marker - silver*

**Paint Marker ink, silver**

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Relevant identified uses of the substance or mixture**

writing and marking

**Uses advised against**

No data available.

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

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*emergency number: +49 9129 277 - 0*

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification in accordance with Regulation (EC) No 1272/2008 (CLP)**

Flam. Liq. 3; H226

STOT SE 3; H336

**Classification information**

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

### 2.2 Label elements

**Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)**

**Hazard pictograms**



GHS02



GHS07

**Signal word**

Warning

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**Hazardous component(s) to be indicated on label:**

1-methoxy-2-propanol

**Hazard statement(s)**

H226 Flammable liquid and vapour.  
H336 May cause drowsiness or dizziness.

**Precautionary statement(s)**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P370+P378 In case of fire: Use water spray, extinguishing powder, foam or CO2 to extinguish.

**2.3 Other hazards**

No data available.

## SECTION 3: Composition/information on ingredients

**3.1 Substances**

Not applicable. The product is not a substance.

**3.2 Mixtures**

**Chemical characterization**

Mixture based on: alcohols; Resins; Pigments; dyes

**Hazardous ingredients**

No	Substance name	Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration %
1	<b>1-methoxy-2-propanol</b>		
	107-98-2 203-539-1 603-064-00-3 -	Flam. Liq. 3; H226 STOT SE 3; H336	>= 70.00 - < 90.00 %-b.w.
2	<b>aluminium powder (stabilised)</b>		
	7429-90-5 231-072-3 013-002-00-1 01-2119529243-45	Flam. Sol. 1; H228	>= 5.00 - < 10.00 %-b.w.
3	<b>2-methoxypropanol</b>		
	1589-47-5 216-455-5 603-106-00-0 -	Eye Dam. 1; H318 Flam. Liq. 3; H226 Repr. 1B; H360D*** Skin Irrit. 2; H315 STOT SE 3; H335	< 0.30 %-b.w.

Full Text for all H-phrases and EUH-phrases: pls. see section 16

(\* , \*\* , \*\*\* , \*\*\*\*) Detailed explanation pls. refer to CLP regulation No. 1272/2008, annex VI, 1.2

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
2	T	-	-	-

Full text for the notes: pls. see section 16 "Notes relating to the identification, classification and labelling of substances ((EC) No 1272/2008, Annex VI)".

## SECTION 4: First aid measures

**4.1 Description of first aid measures**

**General information**

In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes and launder thoroughly before reusing.

**After inhalation**

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Remove affected person from the immediate area. Ensure supply of fresh air.

**After skin contact**

When in contact with the skin, clean with soap and water.

**After eye contact**

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Seek medical assistance.

**After ingestion**

Rinse mouth thoroughly with water. Call a doctor. Do not induce vomiting. Never give anything by mouth to an unconscious person.

**4.2 Most important symptoms and effects, both acute and delayed**

No data available.

**4.3 Indication of any immediate medical attention and special treatment needed**

No data available.

## SECTION 5: Firefighting measures

**5.1 Extinguishing media**

**Suitable extinguishing media**

Extinguishing powder; Foam; Carbon dioxide; Water mist

**Unsuitable extinguishing media**

High power water jet

**5.2 Special hazards arising from the substance or mixture**

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

**5.3 Advice for firefighters**

Use self-contained breathing apparatus. Wear protective clothing.

## SECTION 6: Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures**

**For non-emergency personnel**

Refer to protective measures listed in sections 7 and 8. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not inhale vapours. Keep away from ignition sources.

**For emergency responders**

No data available. Personal protective equipment (PPE) - see Section 8.

**6.2 Environmental precautions**

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

**6.3 Methods and material for containment and cleaning up**

Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr). Send in suitable containers for recovery or disposal.

**6.4 Reference to other sections**

No data available.

## SECTION 7: Handling and storage

**7.1 Precautions for safe handling**

**Advice on safe handling**

Provide good ventilation at the work area (local exhaust ventilation, if necessary). If workplace exposure limits are exceeded, respiratory protection approved for this particular job must be worn.

**General protective and hygiene measures**

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Keep away from foodstuffs and beverages. Do not eat, drink or smoke during work time. Wash hands before breaks and after work. Remove soiled or soaked clothing immediately. Wash soiled clothing. Do not inhale vapours. Avoid contact with eyes and skin. Provide eye wash fountain in work area. Have emergency shower available. Use barrier skin cream.

### Advice on protection against fire and explosion

Keep away from sources of ignition - refrain from smoking. Vapours can form an explosive mixture with air. Take precautionary measures against static charges.

## 7.2 Conditions for safe storage, including any incompatibilities

### Technical measures and storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place. Protect of heat.

### Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original.

### Incompatible products

Do not store together with: oxidizing agents

## 7.3 Specific end use(s)

No data available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

No	Substance name	CAS no.	EC no.
1	1-methoxy-2-propanol	107-98-2	203-539-1
	2000/39/EC		
	1-Methoxypropanol-2		
	WEL short-term (15 min reference period)	568	mg/m <sup>3</sup> 150 ppm
	WEL long-term (8-hr TWA reference period)	375	mg/m <sup>3</sup> 100 ppm
	Skin resorption / sensibilisation	Skin	
	<b>List of approved workplace exposure limits (WELs) / EH40</b>		
	1-Methoxypropan-2-ol		
	WEL short-term (15 min reference period)	560	mg/m <sup>3</sup> 150 ppm
	WEL long-term (8-hr TWA reference period)	375	mg/m <sup>3</sup> 100 ppm
	Comments	Sk	
2	aluminium powder (stabilised)	7429-90-5	231-072-3
	<b>List of approved workplace exposure limits (WELs) / EH40</b>		
	Aluminium metal		
	total inhalable dust		
	WEL long-term (8-hr TWA reference period)	10	mg/m <sup>3</sup>
	<b>List of approved workplace exposure limits (WELs) / EH40</b>		
	Aluminium metal		
	respirable dust		
	WEL long-term (8-hr TWA reference period)	4	mg/m <sup>3</sup>

#### DNEL, DMEL and PNEC values

##### DNEL values (worker)

No	Substance name	CAS / EC no		
	Route of exposure	Exposure time	Effect	Value
1	aluminium powder (stabilised)	7429-90-5		
	inhalative	Long term (chronic)	local	231-072-3
				3.72 mg/m <sup>3</sup>

##### DNEL value (consumer)

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No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	aluminium powder (stabilised)			7429-90-5 231-072-3	
	oral	Long term (chronic)	systemic	3.95	mg/kg/day

## PNEC values

No	Substance name		CAS / EC no	
	ecological compartment	Type	Value	
1	aluminium powder (stabilised)		7429-90-5 231-072-3	
	water	fresh water	74.9	µg/L
	sewage treatment plant	-	20	mg/L

## 8.2 Exposure controls

### Appropriate engineering controls

No data available.

### Personal protective equipment

#### Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Respiratory filter (gas) : A

#### Eye / face protection

Safety glasses (EN 166)

#### Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material butyl rubber

Material thickness 0.5 mm

Breakthrough time > 8 h

#### Environmental exposure controls

No data available.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Form/Colour</b>	
liquid	
silver coloured	
<b>Odour</b>	
ethereal	
<b>Odour threshold</b>	
No data available	
<b>pH value</b>	
Not applicable	
<b>Boiling point / boiling range</b>	
Value	appr. 120 °C
<b>Melting point / melting range</b>	

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No data available			
<b>Decomposition point / decomposition range</b>			
No data available			
<b>Flash point</b>			
Value		31	°C
Method	DIN EN 456		
<b>Ignition temperature</b>			
Value	>	250	°C
Source	Literature value		
<b>Auto-ignition temperature</b>			
No data available			
<b>Oxidising properties</b>			
No data available			
<b>Explosive properties</b>			
No data available			
<b>Flammability (solid, gas)</b>			
No data available			
<b>Lower flammability or explosive limits</b>			
Value		1.7	% vol
<b>Upper flammability or explosive limits</b>			
Value		11.5	% vol
Source	Literature value		
<b>Vapour pressure</b>			
Value		12	mbar
Reference temperature		20	°C
<b>Vapour density</b>			
No data available			
<b>Evaporation rate</b>			
No data available			
<b>Relative density</b>			
No data available			
<b>Density</b>			
Value	appr.	1.0	g/cm <sup>3</sup>
Reference temperature		20	°C
<b>Solubility in water</b>			
Comments	partially miscible		
<b>Solubility(ies)</b>			
No data available			
<b>Partition coefficient: n-octanol/water</b>			
No data available			
<b>Viscosity</b>			
Value	appr.	30	sec
Type	Efflux time		
Method	DIN cup 3 mm		
<b>Solvent content</b>			
Value	<	82	%

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## 9.2 Other information

### Other information

No data available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

### 10.3 Possibility of hazardous reactions

None, when used as directed.

### 10.4 Conditions to avoid

Heat, naked flames and other ignition sources.

### 10.5 Incompatible materials

strong oxidizing agents

### 10.6 Hazardous decomposition products

No hazardous decomposition products known.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute oral toxicity

No data available

#### Acute dermal toxicity

No data available

#### Acute inhalational toxicity

No	Substance name	CAS no.	EC no.
1	aluminium powder (stabilised)	7429-90-5	231-072-3
LC50		0.888	mg/l
Duration of exposure		4	h
State of aggregation	Dust		
Species	rat		
Source	ECHA		

#### Skin corrosion/irritation

No data available

#### Serious eye damage/irritation

No data available

#### Respiratory or skin sensitisation

No data available

#### Germ cell mutagenicity

No data available

#### Reproduction toxicity

No data available

#### Carcinogenicity

No data available

#### STOT - single exposure

No data available

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## STOT - repeated exposure

No data available

## Aspiration hazard

No data available

## Symptoms related to the physical, chemical and toxicological characteristics

The product can cause skin and eye irritation.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Toxicity to fish (acute)

No data available

#### Toxicity to fish (chronic)

No data available

#### Toxicity to Daphnia (acute)

No data available

#### Toxicity to Daphnia (chronic)

No data available

#### Toxicity to algae (acute)

No data available

#### Toxicity to algae (chronic)

No data available

#### Bacteria toxicity

No data available

### 12.2 Persistence and degradability

No data available.

### 12.3 Bioaccumulative potential

No data available.

### 12.4 Mobility in soil

No data available.

### 12.5 Results of PBT and vPvB assessment

No data available.

### 12.6 Other adverse effects

No data available.

### 12.7 Other information

#### Other information

Do not discharge product unmonitored into the environment.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Smaller quantities can be disposed with household garbage.

#### Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified



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by the regional disposer.

## SECTION 14: Transport information

### 14.1 Transport ADR/RID/ADN

Class	3
Classification code	F1
Packing group	III
Hazard identification no.	30
UN number	UN1263
Proper shipping name	PAINT
Tunnel restriction code	D/E
Label	3

### 14.2 Transport IMDG

Class	3
Packing group	III
UN number	UN1263
Proper shipping name	PAINT
EmS	F-E, S-E
Label	3

### 14.3 Transport ICAO-TI / IATA

Class	3
Packing group	III
UN number	UN1263
Proper shipping name	Paint
Label	3

### 14.4 Other information

No data available.

### 14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

### 14.6 Special precautions for user

No data available.

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not relevant

## SECTION 15: Regulatory information

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

#### EU regulations

#### **Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

#### **REACH candidate list of substances of very high concern (SVHC) for authorisation**

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

#### **Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES**

The product is considered being subject to REACH regulation (EC) 1907/2006 annexe XVII.	No 3, 40
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The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006

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annex XVII.				
No	Substance name	CAS no.	EC no.	No
1	2-methoxypropanol	1589-47-5	216-455-5	30
<b>Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances</b>				
This product is subject to Part I of Annex I, risk category:			P5c	
<b>Directive 2010/75/EU on industrial emissions (integrated pollution prevention and control)</b>				
VOC content		< 82 %		
<b>Other regulations</b>				
Adhere to the national sanitary and occupational safety regulations when using this product.				

## 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

## SECTION 16: Other information

### Further information

Use restriction recommended by the manufacturer:  
In large drums ink is for professional use only.

### Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

### Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

H228	Flammable solid.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H360D	May damage the unborn child.

### Notes relating to the identification, classification and labelling of substances and mixtures ((EC) No 1272/2008, Annex VI)

T This substance may be marketed in a form which does not have the physical hazards as indicated by the classification in the entry in Part 3. If the results of the relevant method or methods in accordance with Part 2 of Annex I of this Regulation show that the specific form of substance marketed does not exhibit this physical property or these physical hazards, the substance shall be classified in accordance with the result or results of this test or these tests. Relevant information, including reference to the relevant test method(s) shall be included in the safety data sheet.

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