

# Safety Data Sheet

According to Regulation (EU) No. 1907/2006 (REACH), Annex  
II (COMMISSION REGULATION (EU) No 453/2010)



Version: 1.0/EN

Product name: Pearlmaker Pen

Article number: 7019.405-745, 7019.785-805

Revision Date: 05/07/2020

Printing Date: 05/07/2020

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

### 1.1 Product identifier

Product name: Pearlmaker Pen  
REACH Reg. No.: No registration number is given.

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

Identified uses: Used for painting.  
Uses advised against: No information available.

### 1.3 Details of the supplier of the SDS

Manufacturer: RICO DESIGN GMBH & CO. KG  
Address: Industriestrasse 19-23  
33034 Brakel  
E-mail: sds@rico-design.de

### 1.4 Emergency telephone number

Emergency Tel: +49 (0) 5251 2882 0  
Open during office time between 9 am and 4 pm

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

The product is not classified according to the CLP regulation.

#### Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of Regulation 1272/2008/EC.

#### Classification system:

The classification is according to the latest edition of EU Regulation 1272/2008/EC, and extended by company and literature data.

### 2.2 Label elements

- Labelling according to Regulation (EC) No 1272/2008 Not applicable
- Hazard pictograms Not applicable.
- Signal word Not applicable.
- Hazard statements Not applicable.
- Precautionary statements Not applicable.

### 2.3 Other hazards No further relevant information available.

- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

## SECTION 3: Composition/information on ingredients

### 3.1 Preparation information

Ingredients information:

# Safety Data Sheet

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Ingredient name	CAS No.	Classification under DSD	Classification under CLP	%(w/w)
SH401P EMULSION	25767-47-9(49%)/7732-18-5(51%)	Not Classified.	Not Classified.	≤90.0
Water	7732-18-5	Not Classified.	Not Classified.	≤5.0
Propylene glycol	57-55-6	Not Classified.	Not Classified.	≤4.0
Pigment Various	N/A	Not Classified.	Not Classified.	≤10.0
2-Phenoxy ethanol	122-99-6	Not Classified.	Acute Tox. 4 ; H302 Eye Irrit. 2; H319	0.20
Bronopol	52-51-7	Xn; R21/22 Xi; R37/38-41 N; R50	Acute Tox. 4 ; H312 Acute Tox. 4 ; H302 STOT SE 3; H335 Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Acute 1; H400	0.04
AMP-95 DRS	124-68-5(88%)/7732-18-5(12%)	Xi R36/3 8 R52-53	Eye Irrit. 2; H319 Skin Irrit. 2; H315 Aquatic Chronic 3; H412	≤0.6
ACRYSOL ASE-60 thickener	25212-88-8(27%)/7732-18-5(73%)	Not Classified.	Not Classified.	≤1.0

The rest unspecified ingredients are impurities which do not contribute to the classification of the substance. Full text of R-phrase(s) and H-statements(s): see SECTION 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General notes:

In all cases of doubt, or when symptoms persist, seek medical attention.

#### Following inhalation:

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if you feel unwell.

#### Following skin contact:

Wash with soap and plenty of water. If skin irritation occurs: Get medical attention.

#### Following eye contact:

Rinse cautiously with water for several minutes, Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

#### Following ingestion:

Rinse mouth. Never give anything through mouth to an unconscious person. Call a POISON Center or doctor if you feel unwell.

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

Skin contact: Prolonged and repeated contact may cause slight skin irritation.

### 4.3 Indication of the immediate medical attention and special treatment needed.

No information available.

## SECTION 5: Fire-fighting measures

### 5.1 Extinguishing media

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**Suitable extinguishing media:** Carbon dioxide, dry chemical, foam, water spray.

**Unsuitable extinguishing media:** No information available.

## 5.2 Special Hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating or toxic gases/vapors: Carbon oxides, nitrogen oxides, sulphur oxides.

## 5.3 Advice for fire-fighters

Wear self-contained breathing apparatus and chemical-protective clothing. Prevent fire extinguishing water from contaminating surface water or the ground water system.

## SECTION 6: Accidental release measures

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

Refer to SECTION 8 for personal protective equipment. Prevention of skin and eye contact. Ensure adequate ventilation. Remove all sources of ignition.

### 6.2 Environmental precautions

Do not discharge into drains/surface waters/groundwater.

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

Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

### 6.4 Reference to other SECTIONS

See SECTION 7 for information on safe handling.

See SECTION 8 for information on personal protection equipment. See SECTION 13 for information on disposal.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment as required. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Use this material with adequate ventilation. Contaminated work clothing should not be allowed out of the workplace. Take off contaminated clothing and wash before reuse.

### 7.2 Conditions for safe storage. Including any incompatibilities.

Keep container tightly closed and in a cool, well-ventilated place. Keep away from heat and ignition sources.

### 7.3 Specific end use(s)

Apart from the uses mentioned in SECTION 1.2 no other specific uses are stipulated.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

<b>.Ingredients with limit values that require monitoring at the workplace:</b>
124-68-5 2-methyl-2-aminopropanol-1

# Safety Data Sheet

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Denmark Germany(AGS) Germany(DFG) Switzerland	3 provisional Long-term value: 3.7 mg/m <sup>3</sup> Long-term value: 3.7 mg/m <sup>3</sup> Long-term value: 8.7 mg/m <sup>3</sup>	Short-term value: 7.4 mg/m <sup>3</sup> Short-term value: 7.4 mg/m <sup>3</sup> Short-term value: 17.42 mg/m <sup>3</sup>
57-55-6 Propane-1,2-diol, total vapour & particulates		
Australia Canada - Ontario Ireland New Zealand  United Kingdom	Long-term value: 474 mg/m <sup>3</sup> Long-term value: 155 mg/m <sup>3</sup> Long-term value: 470 mg/m <sup>3</sup> Long- term value: 474 mg/m <sup>3</sup>  10 mg/m <sup>3</sup> Long-term value: 474 mg/m <sup>3</sup>	
122-99-6 1,2-phenoxyethanol		
Australia Canada - Ontario Finland Germany(AGS) Germany(DFG) Poland Switzerland	Long-term value: 110 mg/m <sup>3</sup> Long-term value: 141 mg/m <sup>3</sup> Long-term value: 110 mg/m <sup>3</sup> Long-term value: 5.7 mg/m <sup>3</sup> Long-term value: 5.7 mg/m <sup>3</sup> Long-term value: 230 mg/m <sup>3</sup> Long-term value: 110 mg/m <sup>3</sup>	Short-term value: 110 mg/m <sup>3</sup>  Short-term value: 290 mg/m <sup>3</sup> Short-term value: 5.7 mg/m <sup>3</sup> Short-term value: 5.7 mg/m <sup>3</sup>  Short-term value: 20 mg/m <sup>3</sup>

## DNEL (Derived No Effect Level) for workers and the general population:

Name	Daten-	CAS-Nr.	EG-Nr.	DNEL Inhalation [mg/m <sup>3</sup> ]	
	satz			lokal	systemisch
1,2-phenoxyethanol	1	122-99-6	204-589-7	8.07	8.07

Name	Daten-	CAS-Nr.	EG-Nr.	DNEL Inhalation [mg/m <sup>3</sup> ]	
	satz			lokal	systemisch
2-methyl-2-aminopropanol-1	1	124-68-5	204-709-8		6.5

Name	Daten-	CAS-Nr.	EG-Nr.	DNEL Inhalation [mg/m <sup>3</sup> ]	
	satz			lokal	systemisch
Bronopol	1	52-51-7	200-143-0	4.2	4.1

Name	Daten-	CAS-Nr.	EG-Nr.	DNEL Inhalation [mg/m <sup>3</sup> ]	
	satz			lokal	systemisch
Propane-1,2-diol	1	57-55-7	200-338-0	10	168

## PNEC (Predicted No Effect Concentration) values:

Not available.

## 8.2 Exposure controls

### Appropriate engineering controls:

Provide local exhaust or process enclosure ventilation system.

### Personal protective equipment:

Eye and face protection: Wear protective eye/face protection.

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Version: 1.0/EN

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Article number: 7019.405-745, 7019.785-805

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Skin protection: Wear protective gloves/clothing to prevent contact.

Respiratory protection: In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls:

Do not empty into drains.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance:	Ointment
Odour:	Ammonia odour
pH:	Not available.
Melting point:	Not available.
Boiling point:	Not available.
Flash point:	Not available.
Evaporation rate:	Not available.
Flammability (solid, gas)	Non flammable.
Upper/lower flammability or explosive limits:	Not available.
Vapour pressure:	Not available.
Density:	Not available.
Solubility(ies):	Not available.
Partition coefficient: n-octanol/water:	Not available.
Auto-ignition temperature:	Not available.
Decomposition temperature:	Not available.
Viscosity:	Not available.
Explosive properties:	Not available.
Oxidising properties:	No oxidising properties.

### 9.2 Other information

No data available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Stable under recommended storage and handling conditions (see SECTION 7, handling and storage).

### 10.2 Chemical stability

Stable under normal conditions of use.

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

### 10.4 Conditions to avoid

Keep away from strong heating and incompatible materials.

### 10.5 Incompatible materials

Strong acid, strong alkali, strong oxidizing materials.

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## 10.6 Hazardous decomposition products

Carbon oxides, nitrogen oxides (NOx), sulphur oxides (SOx).

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

**Acute toxicity** Based on available data, the classification Criteria are not met

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

52-51-7 Bronopol		
Oral	LD5	193 mg/l (rat)
Inhalation	0	> 0.588 mg/l (rat)
	LD5	> 0.120 mg/l - < 1.140 mg/l (rat)
Dermal	0	>2000 mg/l (rat)
	LC50:	

**Skin corrosion/irritation:**

No information available.

**Serious eye damage/irritation:**

No information available.

**Respiratory or skin sensitization:**

No information available.

**Germ cell mutagenicity:**

No information available.

**Carcinogenicity:**

No information available.

**Reproductive toxicity:**

No information available.

**STOT-single exposure:**

No information available.

**STOT-repeated exposure:**

No information available.

**Aspiration hazard:**

No information available.

## SECTION 12: Ecological information

### 12.1 Toxicity

**Ecotoxicity**

**Fish, LC<sub>50</sub>:**

No data

**Crustacea,**

available. No

**EC<sub>50</sub>:**

data available.

**Algae, EC<sub>50</sub>:**

No data  
available.

### 12.2 Persistence and degradability

No information available.

### 12.3 Bioaccumulative potential

No information available.

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment information is not available as chemical safety assessment not conducted.

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## 12.6 Other adverse effects

No information available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Disposal must be made according to local and national regulations. Empty containers should be taken for local recycling, recovery or waste disposal.

## SECTION 14: Transport information

• 14.1 UN-Number	
• ADR,RID,ADN, IMDG, IATA	Not applicable
• 14.2 UN proper shipping name	Not applicable
• ADR,RID,ADN, IMDG, IATA	
• 14.3 Transport hazard class(es)	
• ADR,RID,ADN, IMDG, IATA	Not applicable
• Class	Not applicable
• Label	Not applicable
• 14.4 Packing group	
• ADR,RID,ADN, IMDG, IATA	Not applicable
• 14.5 Environmental hazards:	Not applicable.
• 14.6 Special precautions for user	Not applicable.
• EMS Number:	Not applicable
• 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
• 14.8 Transport/Additional information: Not dangerous according to the above specifications	
• UN "Model Regulation":	Not applicable

## SECTION 15: Regulatory information

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

• MAK (German Maximum Workplace Concentration)		
124-68-5 2-methyl-2-aminopropanol-1		
Germany(AGS)	Long-term value: 3.7	Short-term value: 7.4
Germany(DFG)	mg/m <sup>3</sup> Long-term value: 3.7 mg/m <sup>3</sup>	mg/m <sup>3</sup> Short-term value: 7.4 mg/m <sup>3</sup>
122-99-6 1,2-phenoxyethanol		
Germany(AGS)	Long-term value: 5.7	Short-term value: 5.7
Germany(DFG)	mg/m <sup>3</sup> Long-term value: 5.7 mg/m <sup>3</sup>	mg/m <sup>3</sup> Short-term value: 5.7 mg/m <sup>3</sup>

### • Directive 2012/18/EU

• Seveso category Not applicable

• Qualifying quantity (tonnes) for the application of lower-tier requirements Not applicable

• Qualifying quantity (tonnes) for the application of upper-tier requirements Not applicable

• National regulations:

• Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

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- Other regulations, limitations and prohibitive regulations
- **SVHC Candidate List of REACH Regulation Annex XIV Authorisation (20/6/2016)**  
None of the ingredients is listed.
- **REACH Regulation Annex XVII Restriction (24/06/2016)**

**See Section 16 for information about restriction of use.**

None of the ingredients is listed.

- **REACH Regulation Annex XIV Authorisation List (14/8/2014)**

None of the ingredients is listed.

## 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this product.

## SECTION 16: Other information

### 16.1 Revision Information

Date of the previous revision: Not applicable.

Date of this revision:

05/07/2020 Revision summary: The first new SDS

### 16.2 Abbreviations and acronyms

<b>CLP:</b>	EU regulation (EC) No 1272/2008 on classification, labelling and packaging of chemical substances and mixtures.
<b>CAS:</b>	Chemical Abstracts Service (division of the American Chemical Society).
<b>EINECS:</b>	European Inventory of Existing Commercial Chemical Substances.
<b>DSD:</b>	Dangerous Substance Directive (67/548/EEC).
<b>TSCA:</b>	Toxic Substances Control Act, The American chemical inventory.
<b>DSL:</b>	Domestic Substances List, The Canadian chemical inventory.
<b>AICS:</b>	The Australian Inventory of Chemical Substances.
<b>ECL:</b>	Existing Chemicals List, the Korean chemical inventory.
<b>ENCS:</b>	Japanese Existing and New Chemical Substances.
<b>IECSC:</b>	Inventory of existing chemical substances in China.

### 16.3 Key literature references and sources for data

ESIS: European chemical Substances Information System.

### 16.4 Relevant R-phrases/H-statements

- H302: Harmful if swallowed.
- H312: Harmful in contact with skin.
- H315: Causes skin irritation.
- H318: Causes serious eye damage.
- H319: Causes serious eye irritation.
- H335: May cause respiratory irritation.
- H400: Very toxic to aquatic life
- H412: Harmful to aquatic life with long lasting effects.

### 16.5 Training advice

Provide adequate information, instruction and training for operators.



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## 16.6 Declare to reader

The information in this SDS is provided all the relevant data fully and truly. However, the information is provided without any warranty on their absolute extensiveness and accuracy. This SDS was prepared to provide safety preventive users who have got professional training. The personal user who obtained this SDS should make independent judgment for the applicability of this SDS under special conditions. In these special cases, we do not assume responsibility for the damage.

According to REACH Article 31(5), the SDS shall be supplied in an official language of the Member State(s) where the substance or mixture is placed on the market, unless the recipient Member State(s) concerned provide otherwise. It should also be noted that this SDS is applicable to the countries with English as an official language.

.....End of the SDS .....