

Safety Data Sheet (SDS)

According to Regulation (EC) No. 1907/2006 (REACH) and (EC) No. 1272/2008 (CLP)

SP-08-04
Version 2.0
Revision Date 24.08.2021

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

1.1 Product identifier

Product name	Water-based ink by Sunny Pro. DOA 851100 - Dual Tip Brush Markers (12pcs) - Bright DOA 851101 - Dual Tip Brush Markers (12pcs) - Vintage
Product models	DOA 851102 - Dual Tip Brush Markers (12pcs) - Pastel DOA 851103 - Dual Tip Calligraphy Pens (6pk) - Artiste HCCALLI6 - Hobbycraft Dual Tip Calligraphy Pens (6pk)
Product specification	All colors

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

Application of the substance / the mixture: Preparation for use in writing instruments

1.3 Manufacturer/Supplier	Sunny Pro Co., Ltd.
Address	5F, No. 56, 31 Ln. Minzu Rd., Tamsui Dist., New Taipei City, Taiwan (R.O.C.)
Telephone	886-2-28085871
Fax	886-2-28085872
1.4 Emergency telephone number	886-2-28085871

SECTION 2 Hazards identification

2.1 Classification of the substance or mixture

Skin corrosion/irritation 2 H315 Causes skin irritation
Skin sensitisation 1B H317 May cause an allergic skin reaction

2.2 Label elements

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

Hazard pictograms



Signal word

Warning

Hazard Statements

H315 Causes skin irritation
H317 May cause an allergic skin reaction

Precautionary statements Prevention

P261 Avoid breathing mist/vapours/spray
P280 Wear protective gloves/protective clothing/eye protection

Precautionary statements Response

P302+P352 IF ON SKIN: wash with plenty of soap and water
P333/P313 If skin irritation or rash occurs: get medical advice/attention
P362 Take off contaminated clothing and wash before reuse.

2.3 Other hazards

No other information available.

SECTION 3 Composition/information on ingredients

3.1 Substance/Mixture

Mixture

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

Dangerous components		
Chemical name	CAS No.	Content
2,2'-oxybisethanol	111-46-6	<10%
Acid Black 24	3071-73-6	<= 6%
Acid Red 87	17372-87-1	4%
Biocide containing 2-methylisothiazol-3(2H)-one (MIT)	2682-20-4	<= 0.012% MIT
1,2-benzisothiazol-3(2H)-one (BIT)	2634-33-5	<= 0.012% BIT
Chemical name	Classification according to Regulation (EC) No. 1272/2008	
2,2'-oxybisethanol	H302 (4), H373 (2)	
Acid Black 24	H319 (2)	
Acid Red 87	H314 (1A), H412 (3)	
Biocide containing 2-methylisothiazol-3(2H)-one (MIT) 1,2-benzisothiazol-3(2H)-one (BIT)	H318 (1), H317 (1B), H412 (3)	

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4 First aid measures

4.1 Description of first aid measures

General advice	Take off all contaminated clothing immediately.
After inhalation	Remove to fresh air. If symptoms persist, seek medical advice. If unconscious place in recovery position.
After skin contact	Wash off with plenty of water. If skin irritation persists, seek medical advice.
After eye contact	Rinse thoroughly with plenty of water, also under the eyelids. Consult an eye specialist immediately.

4.2 Most important symptoms and effects, both acute and delayed: No information available.

4.3 Indication of any immediate medical attention and special treatment needed: Treat symptomatically. No further information available.

SECTION 5 Fire-fighting measures

5.1 Extinguishing Media

Suitable extinguishing agents:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray, foam, dry powder or CO₂.

Unsuitable extinguishing agents:

High volume water jet.

5.2 Special hazards arising from the substrate or mixture:

In case of fire hazardous decomposition products may be produced, such as carbon monoxide (CO) and carbon dioxide (CO₂).

5.3 Advice for firefighters

Special protective equipment for firefighters:

In the event of fire, wear self-contained breathing apparatus. Wear appropriate body protection (full protective suit)

Further information:

Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Provide adequate ventilation. Keep away from heat and sources of ignition. Avoid contact with skin and eyes.

Do not breathe vapours.

6.2 Environmental precautions

Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

6.3 Methods and materials for containment and cleaning up

Procedure:

Contain spillage, and then collect with non-combustible absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see Section 13).

Further information:

Treat recovered material as described in Section 13.

6.4 Protective Action for Chemicals

For personal protection see Section 8.

SECTION 7 Handling and storage

7.1 Precautions for safe handling

Advice on safe handling:

Keep container tightly closed. Avoid contact with skin and eyes. Emergency eye wash fountains and emergency showers should be available in the immediate vicinity.

Hygiene measures:

Keep away from food, drink and animal feeding stuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of the working day. Take off all contaminated clothing immediately. Avoid contact with skin and eyes.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers: Store in original container

Advice on protection against fire and explosion: N/A

Further information about storage conditions: Keep tightly closed in a dry and cool place

Advice on common storage: Keep away from food, drink and animal feeding stuffs

7.3 Specific end use(s): No information available.

SECTION 8 Exposure controls/personal protection

8.1 Control parameters

(CAS No. 111-46-6) 2,2'-oxybisethanol

DNEL Workers, long-term systemic effects, inhalation: 44 mg/m³

DNEL Workers, long-term-local effects, inhalation: 60 mg/m³

DNEL Workers, long-term-systemic effects, skin contact: 43 mg/Kg bw/day

DNEL General population, long-term-systemic effects, inhalation: 12 mg/m³

DNEL General population, long-term-systemic effects, skin contact: 21 mg/Kg bw/day

(CAS No. 111-46-6) 2,2'-oxybisethanol

Predicted no effect concentration (PNEC)

Fresh water: 10 mg/L

Marine water: 1 mg/L

Intermittent releases: 10 mg/L

Fresh water sediment related to, dry weight: 20.9 mg/Kg

Sewage treatment plant (STP): 199.5 mg/L

Soil related to, dry weight: 1.53 mg/Kg

Marine sediment related to, dry weight: 2.09 mg/Kg

(CAS No. 111-46-6) 2,2'-oxybisethanol

Regulatory basis: UK. EH40 Workplace Exposure Limits (WELs)

Regulatory list: EH40 WEL

Value type: Time Weighted Average (TWA)

Value: 23 ppm

Value: 101 mg/m³

Regulatory basis: UK. EH40 Workplace Exposure Limits (WELs)

Regulatory list: EH40 WEL

Regulatory basis: ELV (IE)

Regulatory list: Indicative OELV

Value type: Time Weighted Average (TWA)

Value: 23 ppm

Value: 100 mg/m³

8.2 Exposure controls

Engineering measures

Refer to protective measures listed in Sections 7 and 8

Respiratory protection

Required, if exposure limit is exceeded (e.g. OEL). Respirator with a gas filter. Recommended filter type: A-P2

Hand protection

Wear suitable gloves. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact). Protective gloves should be replaced at first signs of wear.

Butyl rubber, 0.5mm, Fluorocarbon rubber, 0.4mm

Eye protection

Tightly sealed goggles

Skin and body protection

Wear suitable protective clothing

Environmental protection

Do not let product enter drains. If the product contaminates rivers and lakes or drains inform respective authorities.

SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Various colours, liquid
Odor	Odourless
Odor threshold	No data available
pH-value	No data available
Melting point/Melting range	No data available
Initial boiling point/Boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability	No data available
Upper/lower flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Solubility	Miscible in water
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available
9.2 Other information	No further information available

SECTION 10 Stability and reactivity

10.1 Reactivity: Stable under recommended storage conditions

10.2 Chemical stability: Stable under normal conditions

10.3 Possibility of hazardous reactions

Hazardous reactions: No information available

10.4 Conditions to avoid: Heat, flames and sparks

10.5 Incompatible materials

Materials to avoid: Alkali metals, alkaline earth metals, strong oxidizing agents, nitric acid, sulphuric acid, peroxides (e.g. hydrogen peroxide)

10.6 Hazardous decomposition products: No dangerous decomposition products known.

Hazardous decomposition: Under fire conditions: carbon monoxide (CO), carbon dioxide (CO₂)

SECTION 11 Toxicological information

11.1 Information on toxicological effects

LD/LC50 values relevant for classification		
(CAS No. 111-46-6) 2,2'-oxybisethanol		
Oral	LD50	approximately 1,000 mg/kg
Inhalation	LC50/4h	(human)
Dermal	LD50	>4.6 mg/L (rat)
(CAS No. 17372-87-1) Acid Red 87		
Oral	LD50	2,344 mg/kg (MUS)
Biocide containing MIT and BIT		
Oral	LD50	>2,500 mg/kg (rat)
Inhalation	LC50/4h	5.71 mg/L (rat)
Dermal	LD50	>2,000 mg/kg (rat)
Sensitisation	EC3	16.8% (mouse)
	OECD 406 (MKA)	sensitising (Guinea pig)

SECTION 12 Ecological information

12.1 Toxicity

(CAS No. 111-46-6) 2,2'-oxybisethanol

Fish

Species Pimephales promelas (fathead minnow)
Value type LC50/96 h
Value 75,200 mg/L

Daphnia and other aquatic invertebrates

Species daphnia magna
Value type EC50/48h
Value >10,000 mg/L

Algae

Species Scenedesmus quadricauda (green algae)
Value type NOEC/8d
Value 2,700 mg/L

Bacteria

Species activated sludge
Value type EC50/0.5h
Value >1.995 mg/L

(CAS No. 17372-87-1) Acid Red 87

Fish

Value type LC50/96 h
Value 200 mg/L

Daphnia and other aquatic invertebrates

Species daphnia magna
Value type EC50/48h
Value 100 mg/L

Algae

Species Scenedesmus quadricauda (green algae)
Value type EC50/48h
Value 621 mg/L

Biocide containing MIT and BIT

Species Pseudokirchneriella subcapitata
Value type EC50/72h
Value 8.4 mg/L

Daphnia and other aquatic invertebrates

Species daphnia magna
Value type EC50/48h
Value 32 mg/L

Toxicity on activated sludge organisms

(CAS No. 262-20-4) MIT

Species Activated sludge
Value type EC20/3h

Value 2.8 mg/L
Value type EC50/3h
Value 34.6 mg/l

(CAS No. 2634-33-5) BIT

Species Activated sludge
Value type EC20/3h
Value 3.3 mg/l

12.2 Persistence and degradability: No data available

12.3 Bioaccumulative potential: No data available

12.4 Mobility in soil: Mobile in water environment

12.5 Results of PBT and vPvB assessment: No data available

12.6 Other adverse effects: Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

SECTION 13 Disposal considerations

13.1 Waste treatment methods

Product:

Disposal together with normal waste is not allowed. Special disposal required according to local regulations. Do not empty into drains. Contact waste disposal services

Contaminated packaging:

Empty contaminated packaging thoroughly. They can be recycled after thorough and proper cleaning. Packaging that cannot be cleaned is to be disposed of in the same manner as the product. Do not burn, or use a cutting torch on the empty drum. Risk of explosion

SECTION 14 Transport information

14.1 UN-Number

Not dangerous goods for ADR, RID, IMDG and IATA

14.2 UN proper shipping name

ADR, RID, IMDG, IATA N/A

14.3 Transport hazard class(es)

Labels/classification code/ hazard identification number /tunnel restriction code

ADR, RID, IMDG, IATA N/A

14.4 Packing group

ADR, RID, IMDG, IATA N/A

14.5 Environmental hazards

Labelling according to 5.2.1.8 ADR: No

Labelling according to 5.2.1.8 RID: No

Labelling according to 5.2.1.6.3 IMDG: No

Classification as environmentally hazardous according to 2.9.3 IMDG: No

Classified as 'P' according to 2.10 IMDG: No

14.6 Special precautions for user: Not applicable

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

IMDG Not applicable

SECTION 15 Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

All components are REACH registered or are exempt from REACH registration

Our inks do not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57)

All components are listed on TSCA list of active substances

15.2 Chemical safety assessment: No information available

SECTION 16 Other information

16.1 – Full text of H-Statements referred to under Sections 2 and 3

H302 Harmful if swallowed
H314 Causes severe skin burns and eye damage
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H318 Causes serious eye damage
H319 Causes serious eye irritation
H373 May cause damage to organs (kidney) through prolonged or repeated exposure
H412 Harmful to aquatic life with long lasting effects

Presented by: Sunny Pro Co., Ltd.

The information and recommendations set forth are made in good faith and believed to be accurate as of the date of preparation.

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