

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Revision date: 03.09.2020

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

1.1 Product Identifier

Trade name: [Ceramic Marker](#)

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

No other relevant information available.

Application of the substance / the mixture: For drawing only.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier : LION PENCIL CO.,LTD

Address: NO.186,SEC.1,CHUNG-SHAN ROAD,PANCHIAO,NEW TAIPEI CITY,220, Taiwan,R.O.C

Information contact: Lion Laboratory

Tel: +886-02-2963-1717

Fax: +886-02-2957-3319

e-mail: export@simbalion.com.tw

Website: <http://www.simbalion.com.tw>

1.4 Emergency telephone number:

Emergency Call: +886-02-2963-1717

Information Fax: +886-02-2957-3319

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.

2.2. Label elements

- Labelling according to Regulation (EC) No 1272/2008: Not applicable
- Hazard pictograms : Not applicable.
- Signal word: Not applicable.
- Hazard-determining components of labelling: Not applicable.
- Hazard statements : Not applicable.
- Precautionary statements : Not applicable.
- Physical Hazard : Not classified as hazardous substance
- Health Hazard : Not classified as hazardous substance
- Environmental Hazard : Not classified as hazardous substance
- Additional information:
EUH210: Safety data sheet available on request.

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2.3. Other hazards

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

SECTION 3: Composition/information on ingredients

3.1 substances: not application.

3.2 Mixtures

CAS No.	EINECS No.	Name	Classification according to Regulation	wt%
7732-18-5	231-791-2	Water	Not classified	1.5~8.0%
57-55-6	200-338-0	Propylene Glycol	Not classified	5.0~8.0%
mixtures	—	Resin	Not classified	75.0~80.0%
980-26-7	—	Pigment Red	Not classified	5.0~13.0%
6358-85-6	—	Pigment Yellow	Not classified	5.0~13.0%
1328-53-6	—	Pigment Green	Not classified	5.0~13.0%
147-14-8	—	Pigment Blue	Not classified	5.0~13.0%
6358-30-1	—	Pigment Violet	Not classified	5.0~13.0%
6505-28-8	—	Pigment Orange	Not classified	5.0~13.0%

SECTION 4: First aid measures

4.1 Description of first aid measures

- After Skin contact : Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- After eye contact : Rinse opened eye for several minutes under running water.
If symptoms persist, consult a doctor.

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: Fire-fighting measures

5.1 Extinguishing media: Water, carbon dioxide or chemical foam

- Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.

5.2 Special hazards arising from the substance or mixture : No further relevant information available.

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5.3 Advice for fire fighters

- Protective equipment: Wear fully protective suit.
Mouth respiratory protective device.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Use respiratory protective device against the effects of fumes/ dust/aerosol.

Avoid contact with eyes.

Avoid contact with skin.

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

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

Keep receptacles lightly sealed.

Keep away from heat and direct sunlight.

Ensure good ventilation/ exhaustion at the workplace.

Prevent formation of aerosols.

Avoid contact with eyes and skin.

- Information about fire- and explosion protection:

Keep ignition sources away- Do not smoke.

Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities

- Requirements to be met by storerooms and receptacles: Store in a cool location.

- Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from flammable substances.

Do not store together with oxidising and acidic materials.

- Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.

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

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SECTION 8: Exposure Controls/personal protection

8.1 Control parameters —DNEL/PNEC-values

Name	Daten-satz	CAS-No.	EG-No.	DNEL Inhalation [mg/m ³]	
				lokal	systemisch
1,2-Propandiol	1	57-55-6	200-338-0	10	16.8
Kupferphthalocyanin	1	147-14-8	205-685-1	4	
5,12-Dihydro-2,9-dimethylchino[2,3-b]acridin-7,14-dion	1	980-26-7	213-561-3	3	147

8.2 Exposure controls

Based on the compositions show in Section 3, the following measures are suggested for occupational safety measure.

- Exposition Limit Values: Not available.
- Measurement methods: Not available.
- Exposure Controls
 - Technical measures: Not necessary, no exposition expected.
 - Personal protective equipment
 - Body protection: Commonly special body protection not necessary, regular work clothing sufficient.
 - Respiratory protection: Commonly respiratory protection not necessary.
 - Eye protection: Commonly eye protection not necessary, eye contacts should be avoided.
 - Hand protection: Protection gloves are not required commonly, on permanent skin contact gloves for low mechanic and substantial stress are enough.
 - Skin protection: Skin protection products are not as effective as protection gloves, so suitable protection gloves should be preferred if possible. If protection gloves can not be worn apply water insoluble skin protection substances to clean skin before start of work and after each break and thoroughly embrocate. Before break and at end of work skin cleaning with water and soap is necessary. After cleaning fatty skin care products should be applied.
 - General safety and hygiene measures: On using do not eat, drink or smoke. Avoid aspiration of dust. Change contaminated clothes and don't reuset until cleaned.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- General Information
- Appearance:
 - Form: Liquid
 - Colour : 6 colour
- Odour: Odourless to mild
- Odour threshold : Data not available.

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<ul style="list-style-type: none">• pH-value : 8.0~9.0
<ul style="list-style-type: none">• Melting Point : 100°C• Flash point : >70°C• Boiling point : Data not available.
<ul style="list-style-type: none">• Flammability(solid, gas): Not applicable• Self ignition temperature: Data not available.• Explosion limits : Data not available.
<ul style="list-style-type: none">• Density : 1.03~1.05kg/L• Relative density : Data not available.• Vapour density : Data not available.
<ul style="list-style-type: none">• Solubility in /miscibility with Water : soluble in water.• Viscosity: Dynamic :10.0~25.0mPa.s
9.2 Other Information : No further relevant information available.

SECTION 10: Stability and reactivity

- 10.1 Reactivity : No decomposition if used according to specifications.
- 10.2 Chemical Stability : Stable
- 10.3 Possibility of hazardous reactions : No dangerous reactions known.
- 10.4 Conditions to avoid : Not data available.
- 10.5 Incompatible materials : Not data available.
- 10.6 Hazardous decomposition products : Not data available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

- Acute toxicity Based on available data, the classification criteria are not met.
- Skin corrosion/ irritation Based on available data, the classification criteria are not met.
- Serious eye damage/ irritation Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- Reproductive toxicity Based on available data, the classification criteria are not met.
- STOT- single exposure Based on available data, the classification criteria are not met.
- STOT- repeated exposure Based on available data, the classification criteria are not met.

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SECTION 12: Ecological information

12.1 Toxicity

- Aquatic toxicity: No further relevant information available.

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 Other adverse effects : The waste do not pour into the water will pollute the water.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Recommendation: Smaller quantities can be disposed of with household waste.
- Uncleaned packaging: Dispose of waste in accordance with all applicable laws and regulations.
- Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN-Number

- ADR/RID/AND,IMDG,IATA : Not applicable.

14.2 UN proper shipping name

- ADR/RID/AND,IMDG,IATA : Not applicable.

14.3 Transport hazard class

- ADR/RID/AND,IMDG,IATA
- Class : Not applicable.

14.4 Packing group

- ADR/RID/AND,IMDG,IATA : Not applicable.

14.5 Environmental hazards : Not applicable.

14.6 Special precautions for user : 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

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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.
- National regulations:
- Water hazard class : Water hazard class I (self-assessment): slightly hazardous for water.

• SVHC Candidate List of REACH Regulation Annex XIV authorisation

None of the ingredients is listed.

• REACH Regulation Annex XVII Restriction

None of the ingredients is listed.

15.2 Chemical safety assessment : A Chemical safety assessment has not been carried out.

SECTION 16: Other Information:

- The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation(EU) No 2015/830
- The information in this document is based on our current know kedge and is intended to describe the product for the purposes of health, safety, and environmental requirements only.
- It should not therefore be construed as guaranteeing any specific property of the product.

- Abbreviations and acronyms:

ADR : Accord europeen surle transport des marchandises 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

CAS : Chemical Abstracts Service

PBT : Persistent, Bioaccumulative and Toxic

vPvB: Very Persistent and very Bioaccumulative.