

SDS Report

No.: 70.452.24.30322.01

Date: 2024-02-26



Applicant: TIELING SCENERY STATIONERY CO., LTD.
Address: NO.6 LIAOHAI R.YINZHOU,TIELING,LIAONING,CHINA.
Sample Description: ERASABLE BLACK INK, ERASABLE BLUE INK, ERASABLE YELLOW INK, ,
ERASABLE GREEN INK, ERASABLE PINK INK
Color: Black, Blue, Yellow, Green, Pink
Receipt Date of Sample: 2024-02-20
Last Information Date: 2024-02-21
SDS Preparation Period 2024-02-20 ~ 2024-02-22
Test Result: Refer to the data listed in following pages.

Test Item(s):

Based on the information provided by the applicant, the Safety Data Sheet (SDS) was generated in accordance with requirements of European Commission Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008 and Regulation (EU) No 2020/878, for details please refer to attached pages.

TÜV SÜD Certification and Testing (China) Co., Ltd. Shanghai Branch Testing Center

Prepared by:

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TUV®

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

· 1.1 Product identifier

· **Trade name:** Erasable Black Ink, Erasable Blue Ink, Erasable Yellow Ink, Erasable Green Ink, Erasable Pink Ink

· **UFI:** F140-4045-800P-5RM8

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

· **Application of the substance / the mixture:** Writing

· 1.3 Details of the supplier of the safety data sheet

· **Manufacturer/Supplier:**

TIELING SCENERY STATIONERY CO., LTD.

NO.6 LIAOHAI R. YINZHOU, TIELING, LIAONING, CHINA.

Tel: +86-(0)24-72865018

Email: grace@scenerypen.com, eva.jin@bmrgroup.fr

· **Only Representative/ other EU contact point:** Not available

· **Further information obtainable from:** TIELING SCENERY STATIONERY CO., LTD.

· 1.4 Emergency telephone number:

GRACE

Tel: +86-(0)24-72865018

GERMANY

Poison Center Berlin - Institute of Toxicology

Tel: +49 030 192 40

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 not to be labelled due to the calculation procedure of Regulation (EC) No 1272/2008.

· **Classification system:**

The classification is according to the latest edition of Regulation (EC) No 1272/2008, 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-determining components of labelling:** Not applicable.

· **Hazard statements** Not applicable.

· **Precautionary statements** Not applicable.

· 2.3 Other hazards

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

3 Composition/information on ingredients

· 3.2 Mixtures

· **Description:**

Mixture of the substances listed below with nonhazardous additions.

For the wording of the listed hazard statements refer to Section 16.

· **Composition:**

CAS: 7732-18-5

Water

78.5-89.5%

EINECS: 231-791-2

Trade name: Erasable Black Ink, Erasable Blue Ink, Erasable Yellow Ink, Erasable Green Ink, Erasable Pink Ink

CAS: 1552-42-7 EINECS: 216-293-5	Crystal violet lactone	0-8.5%
CAS: 1592-23-0 EINECS: 216-472-8	calcium distearate, pure	0-6.5%
CAS: 201058-08-4	Wang resin 4-Benzoyloxybenzyl alcohol	0-5.5%
CAS: 34372-72-0 EINECS: 251-971-4	2'-(dibenzylamino)-6'-(diethylamino)spiro[isobenzofuran-1(3H),9'-[9H]xanthene]-3-one	0-5%
CAS: 36886-76-7 EINECS: 253-255-7	3',6'-Dimethoxyfluoran	0-5%
CAS: 50292-95-0 EINECS: 256-524-7	3,3-bis(2-methyl-1-octyl-1H-indol-3-yl)phthalide	0-5%
CAS: 89331-94-2 ELINCS: 403-830-5 Index number: 612-184-00-5	6'-(dibutylamino)-3'-methyl-2'-(phenylamino)spiro[isobenzofuran-1(3H),9-(9H)-xanthen]-3-one Aquatic Chronic 3, H412	0-5%
CAS: 57-55-6 EINECS: 200-338-0	1,2-Propanediol substance with a Community workplace exposure limit	0-4%
CAS: 107-21-1 EINECS: 203-473-3 Index number: 603-027-00-1	ethylene glycol ⚠ Acute Tox. 4, H302	0-4%
CAS: 9004-62-0	Hydroxyethyl cellulose	0.5%
CAS: 102-71-6 EINECS: 203-049-8	Triethanolamine substance with a Community workplace exposure limit	0-0.5%
CAS: 9000-01-5 EINECS: 232-519-5	gum arabic	0-0.5%
CAS: 9003-01-4	Polyacrylic acid substance with a Community workplace exposure limit	0-0.5%

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:

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.

· After swallowing:

Rinse out mouth with water.

Never give anything by mouth to an unconscious person.

Seek medical treatment.

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.

5 Firefighting measures

5.1 Extinguishing media

· **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.

· Protective equipment:

Mouth respiratory protective device.

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Wear fully protective suit.

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:

Dilute with plenty of water.

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 section 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 disposal information.

7 Handling and storage

· 7.1 Precautions for safe handling

Keep away from heat and direct sunlight.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Avoid contact with eyes and skin.

For the general occupational hygienic measures refer to Section 8.

· Information about fire - and explosion protection: 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.

· 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.

8 Exposure controls/personal protection

· 8.1 Control parameters

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

57-55-6 1,2-Propanediol

MAK (Germany) als Dampf und Aerosol;vgl.Abschn.IIb und Xc

WEL (Great Britain) Long-term value: 474* 10** mg/m³, 150* ppm

*total vapour and particulates **particulates

NDS (Poland) Long-term value: 100 mg/m³

pary i frakcja wdychalna

107-21-1 ethylene glycol

IOELV (EU) Short-term value: 104 mg/m³, 40 ppm

Long-term value: 52 mg/m³, 20 ppm

Skin

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MAK (Austria)	Short-term value: 52 mg/m ³ , 20 ppm Long-term value: 26 mg/m ³ , 10 ppm
VL (Belgium)	Short-term value: 104 mg/m ³ , 40 ppm Long-term value: 52 mg/m ³ , 20 ppm D, M; en aérosol
AGW (Germany)	Long-term value: 26 mg/m ³ , 10 ppm 2(I); DFG, EU, H, Y, 11
VLEP (France)	Short-term value: 104 mg/m ³ , 40 ppm Long-term value: 52 mg/m ³ , 20 ppm risque de pénétration percutanée
WEL (Great Britain)	Short-term value: 104** mg/m ³ , 40** ppm Long-term value: 10* 52** mg/m ³ , 20** ppm Sk *particulate **vapour
NDS (Poland)	Short-term value: 50 mg/m ³ Long-term value: 15 mg/m ³ skóra
HTP (Finland)	Short-term value: 100 mg/m ³ , 40 ppm Long-term value: 50 mg/m ³ , 20 ppm iho

102-71-6 Triethanolamine

MAK (Austria)	Short-term value: 10 E mg/m ³ , 1.6 ppm Long-term value: 5 E mg/m ³ , 0.8 ppm
VL (Belgium)	Long-term value: 5 mg/m ³
AGW (Germany)	Long-term value: 1 E mg/m ³ 1(I); DFG, Y
HTP (Finland)	Long-term value: 5 mg/m ³

9003-01-4 Polyacrylic acid

MAK (Germany)	Long-term value: 0.05A mg/m ³
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Regulatory information

MAK (Germany): MAK- und BAT-Liste
WEL (Great Britain): EH40/2020
NDS (Poland): Dz.U. 2021 poz. 325, 18.02.21
IOELV (EU): (EU) 2019/1831
MAK (Austria): GKV 2020, 156. Verordnung, 09.04.2021, Teil II
VL (Belgium): Moniteur belge no 148, 27.05.21
AGW (Germany): TRGS 900
VLEP (France): ED 1487 05.2021
HTP (Finland): 654/2020

· **DNELs:** Data not available.

· **PNECs:** Data not available.

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

8.2 Exposure controls

· **Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure**

· **Appropriate engineering controls** See Section 7 for information about design of technical facilities.

· **Individual protection measures, such as personal protective equipment**

· **Respiratory protection:** Suitable respiratory protective device recommended.

· **Hand protection**



Protective gloves

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The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

· **Material of gloves:**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material:**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye/face protection**



Tightly sealed goggles

· **Environmental exposure controls:**

Control measures must be made in accordance with Community environmental protection legislation.

9 Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Physical state**

Fluid

· **Colour:**

Black, Blue, Yellow, Green, Pink

· **Odour:**

Odourless

· **Odour threshold:**

Data not available.

· **Melting point/freezing point:**

Data not available.

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

Data not available.

· **Flammability**

Data not available.

· **Lower and upper explosion limit**

· **Lower:**

Data not available.

· **Upper:**

Data not available.

· **Flash point:**

Data not available.

· **Auto-ignition temperature:**

Data not available.

· **Decomposition temperature:**

Data not available.

· **pH**

Data not available.

· **Viscosity:**

· **Kinematic viscosity**

Data not available.

· **Dynamic:**

Data not available.

· **Solubility**

· **water:**

Data not available.

· **Partition coefficient (n-octanol/water):**

Data not available.

· **Vapour pressure:**

Data not available.

· **Density and/or relative density**

· **Density:**

Data not available.

· **Relative density:**

Data not available.

· **Vapour density:**

Data not available.

· **9.2 Other information**

· **Appearance:**

· **Form:**

Liquid

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

· **Self-igniting:**

Product is not selfigniting.

· **Explosive properties:**

Product does not present an explosion hazard.

· **Change in condition:**

· **Softening point/range**

· **Oxidizing properties:**

Data not available.

· **Evaporation rate:**

Data not available.

· **Information with regard to physical hazard classes**

· **Explosives**

Data not available.

· **Flammable gases**

Not applicable.

· **Aerosols**

Not applicable.

· **Oxidising gases**

Not applicable.

· **Gases under pressure**

Not applicable.

· **Flammable liquids**

Data not available.

· **Flammable solids**

Not applicable.

· **Self-reactive substances and mixtures**

Data not available.

· **Pyrophoric liquids**

Data not available.

· **Pyrophoric solids**

Not applicable.

· **Self-heating substances and mixtures**

Data not available.

· **Substances and mixtures, which emit flammable gases in contact with water**

Data not available.

· **Oxidising liquids**

Data not available.

· **Oxidising solids**

Not applicable.

· **Organic peroxides**

Data not available.

· **Corrosive to metals**

Data not available.

· **Desensitised explosives**

Data not available.

10 Stability and reactivity

· **10.1 Reactivity** No decomposition if used according to specifications.

· **10.2 Chemical stability** Stable under recommended storage conditions.

· **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.

11 Toxicological information

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

· **Acute toxicity** Based on available data, the classification criteria are not met.

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

57-55-6 1,2-Propanediol

Oral LD50 20,000 mg/kg (rat)

Dermal LD50 20,800 mg/kg (rabbit)

9003-01-4 Polyacrylic acid

Oral LD50 4,600 mg/kg (mouse)

2,500 mg/kg (rat)

102-71-6 Triethanolamine

Oral LD50 5,846 mg/kg (mouse)

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5,530 mg/kg (rat)

2,220 mg/kg (rabbit)

Dermal LD50 >22,500 mg/kg (rabbit)

9000-01-5 gum arabic

Oral LD50 >16,000 mg/kg (mouse)

>16,000 mg/kg (rat)

>8,000 mg/kg (rabbit)

107-21-1 ethylene glycol

Oral LD50 5,480 mg/kg (rat)

Dermal LD50 9,530 mg/kg (rabbit)

- **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.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** 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.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **11.2 Information on other hazards**
- **Endocrine disrupting properties**

None of the ingredients is listed.

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 Endocrine disrupting properties**
- The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects** No further relevant information available.
- **12.7 Additional ecological information:**
- **General notes:**
- Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
- Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation:** Smaller quantities can be disposed of with household waste.
- **Uncleaned packaging**
- **Recommendation:** Disposal must be made according to official regulations.

Trade name: Erasable Black Ink, Erasable Blue Ink, Erasable Yellow Ink, Erasable Green Ink, Erasable Pink Ink

14 Transport information

- **14.1 UN number or ID number**
· **ADR/RID/ADN, IMDG, IATA** Not applicable.
- **14.2 UN proper shipping name**
· **ADR/RID/ADN, IMDG, IATA** Not applicable.
- **14.3 Transport hazard class(es)**
· **ADR/RID/ADN, IMDG, IATA**
· **Class** 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.
- **14.7 Maritime transport in bulk according to IMO instruments** Not applicable.
- **14.8 Transport/Additional information:** Not dangerous according to the above specifications.
· **UN "Model Regulation":** Not applicable.

15 Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
· **MAK(German Maximum Workplace Concentration)**
None of the ingredients is listed.
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**
None of the ingredients is listed.
- **REGULATION (EU) 2019/1148**
- **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**
None of the ingredients is listed.
- **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**
None of the ingredients is listed.
- **Regulation (EC) No 273/2004 on drug precursors**
None of the ingredients is listed.
- **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**
None of the ingredients is listed.
- **National regulations:**
- **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **Other regulations, limitations and prohibitive regulations**
- **SVHC Candidate List of REACH Regulation Annex XIV Authorisation**
None of the ingredients is listed.
- **REACH Regulation Annex XVII Restriction**
See Section 16 for information about restriction of use.
None of the ingredients is listed.
- **REACH Regulation Annex XIV Authorisation List**
None of the ingredients is listed.

Trade name: Erasable Black Ink, Erasable Blue Ink, Erasable Yellow Ink, Erasable Green Ink, Erasable Pink Ink

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

16 Other information

- **Relevant hazard statements**

H302 Harmful if swallowed.

H412 Harmful to aquatic life with long lasting effects.

- **Classification according to Regulation (EC) No 1272/2008**

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2020/878.

DISCLAIMER OF LIABILITY :

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In addition, transport information of Section 14 in the report was calculated theoretically, while the results are not always consistent with Certification for Safe Transport of Chemical Goods from the officially authorized agencies. Please consult the officially authorized agencies for the accurate transport information.

- **Abbreviations and acronyms:**

Acute Tox. 4: Acute toxicity – Category 4

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

***** End of document