

## SDS Report

No. SHATY1417181004

Date: Apr. 21, 2015

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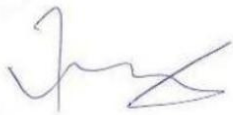
SHANGHAI XINYUAN STATIONERY CO.,LTD  
Chang shou Road ,Putuo District, Shanghai NO.1,Lane 704 Room 181.

SGS Ref. No. : SHTY140900014752  
Sample Name : Erasable neutral ink temperature change (red)  
End Uses : Stationery  
Composition/Ingredient of sample (as per client submission) : See *Section 3 Composition/information on ingredients* on the SDS report  
Job Receiving Date : Apr 14, 2015  
Last Information Date : Apr 15, 2015  
SDS Preparation Period : Apr 14 - 17, 2015

Service Requested : Preparation of Safety Data Sheet (SDS) for the sample with submitted information.

Summary : As per request, the contents and formats of the SDS are prepared in accordance with European Commission Directives 67/548/EEC, 1999/45/EC, Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008 and Regulation (EU) No 453/2010, and is provided per attached.

Signed for and on behalf of  
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.



Wei WANG, Terry  
Approved Signatory



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# Safety Data Sheet

## Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.04.2015

Revision: 15.04.2015

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

- **1.1 Product identifier**
- **Trade name:** *Eraserable neutral ink temperature change (red)*
  
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the mixture:** *Stationery*
  
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
*SHANGHAI XINYUAN STATIONERY CO.,LTD*  
*Chang shou Road ,Putuo District, Shanghai NO.1,Lane 704 Room 181.*  
*Tel: 13585715362*  
*Email: liaoyan025@163.com*
- **Only Representative/ other EU contact point:**  
*zaoliang luo*  
*Fahrstr.8a 91054 Erlangen*  
*Tel: +49 160 6449611*
- **Further information obtainable from:** *SHANGHAI XINYUAN STATIONERY CO.,LTD*
  
- **1.4 Emergency telephone number:**  
*DU LIANG*  
*Tel: 13585715362*
  
- **GERMANY**  
*Clinical Toxicology and Berlin Poison Information Centre*  
*Tel: +49 030 19240*
  
- **1.5 Reference Number:** *SHTY140900014752; SHATY1417181004*

### 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.*
  
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** *Not applicable.*
- **Information concerning particular hazards for human and environment:**  
*The product does not have 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 the Directive 67/548/EEC , 1999/45/EC and 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.*

### SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:**  
*Mixture of the substances listed below with nonhazardous additions.*  
*For the wording of the listed risk phrases refer to section 16.*

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· <b>Composition:</b>		
CAS: 50292-95-0 EINECS: 256-524-7	3,3-bis(2-methyl-1-octyl-1H-indol-3-yl)phthalide	40,0%
CAS: 11138-66-2 EINECS: 234-394-2	Xanthan gum	30,0%
CAS: 7732-18-5 EINECS: 231-791-2	Water	20,0%
CAS: 9004-61-9 EINECS: 232-678-0	Hyaluronic Acid	5,0%
CAS: 9003-01-4	Polyacrylic acid	4,5%
CAS: 112-69-6 EINECS: 203-997-2	hexadecyldimethylamine 	0,5%

### SECTION 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.  
If symptoms persist consult doctor.  
Never give anything by mouth to an unconscious person.
- **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: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub> powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **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 skin.  
Avoid contact with eyes.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

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- **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 disposal information.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
Keep receptacles tightly 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:** 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.  
Store only in the original receptacle.
- **Information about storage in one common storage facility:**  
Store away from foodstuffs.  
Store away from oxidising agents.
- **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.

### SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **DNELs:** Not applicable.
- **PNECs:** Not applicable.
- **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.
- **Personal protective equipment**
- **Respiratory protection:** Suitable respiratory protective device recommended.
- **Protection of hands:**



Protective gloves

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.

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· **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 protection:**



Tightly sealed goggles

· **Environmental exposure controls:**

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

### SECTION 9: Physical and chemical properties

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

· **General Information**

· **Appearance:**

Form: Liquid

Colour: Red

· **Odour:** Slight

· **Odour threshold:** Data not available.

· **pH-value:** Data not available.

· **Change in condition:**

Melting point/Melting range: Data not available.

· **Freezing point:** Data not available.

· **Boiling point/Boiling range:** Data not available.

· **Flash point:** Data not available.

· **Flammability (solid, gaseous):** Not applicable.

· **Auto-ignition temperature:** Data not available.

· **Decomposition temperature:** Data not available.

· **Self-igniting:** Product is not selfigniting.

· **Explosive properties:** Product does not present an explosion hazard.

· **Explosion limits**

Lower: Data not available.

Upper: Data not available.

· **Oxidizing properties:** Data not available.

· **Vapour pressure:** Data not available.

· **Density:** Data not available.

· **Relative density:** Data not available.

· **Vapour density:** Data not available.

· **Evaporation rate:** Data not available.

· **Solubility in / Miscibility with water:**

Data not available.

· **Partition coefficient (n-octanol/water):** Data not available.

· **Viscosity:**

Dynamic: Data not available.

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<b>Kinematic:</b>	Data not available.
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<b>· 9.2 Other information</b>	No further relevant information available.
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### SECTION 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.

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity**

· <b>LD/LC50 values relevant for classification:</b>		
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<b>112-69-6 hexadecyldimethylamine</b>		
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Oral	LD50	>3000 mg/kg (mouse)
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- **Primary irritant effect**
- **on the skin:** Irritating effect possible.
- **on the eye:** Irritating effect possible.
- **Sensitisation:** Sensitization possible.
- **Additional toxicological information:**  
The product is not subjected to classification according to the calculation method based on the EU Directives 67/548/EEC, 1999/45/EC and Regulation 1272/2008/EC.
- **Toxicokinetics, metabolism and distribution:** Data not available.
- **Acute effects (acute toxicity, irritation and corrosivity):** Data not available.
- **Repeated dose toxicity:** Data not available.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):** Data not available.

### 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** No further relevant information available.
- **12.7 Additional ecological information:**
- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

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Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

### SECTION 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.

### SECTION 14: Transport information

- |  |                 |
|--|-----------------|
| <ul style="list-style-type: none"> <li>· <b>14.1 UN-Number</b></li> <li>· <b>ADR, IMDG, IATA</b></li> </ul>  | Not applicable. |
| <ul style="list-style-type: none"> <li>· <b>14.2 UN proper shipping name</b></li> <li>· <b>ADR, IMDG, IATA</b></li> </ul>                            | Not applicable. |
| <ul style="list-style-type: none"> <li>· <b>14.3 Transport hazard class(es)</b></li> <li>· <b>ADR, IMDG, IATA</b></li> <li>· <b>Class</b></li> </ul> | Not applicable. |
| <ul style="list-style-type: none"> <li>· <b>14.4 Packing group</b></li> <li>· <b>ADR, IMDG, IATA</b></li> </ul>                                      | Not applicable. |
| <ul style="list-style-type: none"> <li>· <b>14.5 Environmental hazards</b></li> <li>· <b>Marine pollutant:</b></li> </ul>                            | No              |
| <ul style="list-style-type: none"> <li>· <b>14.6 Special precautions for user</b></li> </ul>   | Not applicable. |
| <ul style="list-style-type: none"> <li>· <b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b></li> </ul>              | Not applicable. |
| <ul style="list-style-type: none"> <li>· <b>UN "Model Regulation":</b></li> </ul>  | -               |

### SECTION 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.

- **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 (17/12/2014)**

None of the ingredients is listed.

- **REACH Regulation Annex XVII Restriction (2/3/2015 )**

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:** A Chemical Safety Assessment has not been carried out.

EU

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**Safety Data Sheet**  
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### SECTION 16: Other information

· **Relevant phrases**

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H400 Very toxic to aquatic life.

R22 Harmful if swallowed.

R34 Causes burns.

R50 Very toxic to aquatic organisms.

\*\*\*\*\*

The contents and format of this SDS are in accordance with REGULATION (EC) No 1272/2008, REGULATION (EC) No 1907/2006, Regulation (EU) No 453/2010 and EU Commission Directive 1999/45/EC, 67/548/EEC.

**DISCLAIMER OF LIABILITY :**

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· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses 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

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B

Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1

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