



SDS Report

No. HKHC1601000587HC

Date :Feb 15, 2016

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SHANGHAI UNIVERSITY
NO.149 YANCHANG RD., ZHABEI DISTRICT,SHANGHAI CITY

Job No. : HKHC160100000326

The following sample was submitted and identified by the client as

Product Description : Water-based Ink
Sample Appearance : BLACK 7547C/RED 186C/ YELLOW 137C/ FLOURESCENT YELLOW 108C/ MAGENTA 2/ PINK 231C/ BLUE 661C/ GRAY 9C/ LIGHT BLUE 299C/ VIOLET FL-V/COFFEE 498C/ FLOURESCENT ORANGE FL-O/ ORANGE 1505C/ GREEN 3295C/ LIGHT GREEN 354C
SGS Sample No. : HKHC160100000326 -101
SDS Report Ref. No. : HKHC1601000587HC
Sample Receiving Date : Jan 25 – Feb 01, 2016
Testing Period : Jan 25 - Feb 15, 2016

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 Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008 and Regulation (EU) No 2015/830, and is provided per attached.

Signed for and on behalf of
SGS Hong Kong Ltd.

HO CHI MING, RICKY
SENIOR MANAGER - COSMETICS, PERSONAL CARE & HOUSEHOLD SERVICES

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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Safety Data Sheet

1907/2006/EC, 1272/2008/EC

Printing date 12.02.2016

Revision: 12.02.2016

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

- **1.1 Product identifier**
- **Trade name:** Water-based ink
- **Article number:**
BLACK 7547C/ RED 186C/ YELLOW 137C/ FLOURESCENT YELLOW 108C/ MAGENTA 2/PINK 231C/
BLUE 661C/ GRAY 9C/ LIGHT BLUE 299C/ VIOLET FL-V/ COFFEE 498C/ FLOURESCENT ORANGE
FL-O/ ORANGE 1505C/ GREEN 3295C/ LIGHT GREEN 354C
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the mixture:** Ink
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Shanghai University
No. 149, Yangchang Rd, Zhabei District, Shanghai, China
Tel: 86 021-56331532/1376167741
Email: 2741146672@qq.com
- **Only Representative / other EU contact point:** Not available
- **Further information obtainable from:** Shanghai University
- **1.4 Emergency telephone number:**
UNITED KINGDOM
National Poisons Information Service
Tel: +44 (0) 844 892 0111
- **1.5 Reference Number:** HKHC1601000587HC, SHHL1501004420ST

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 not 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.
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- **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

- **3.2 Mixtures**
- **Description:**
Mixture of substances listed below with nonhazardous additions.
For the wording of the listed hazard statements refer to Section 16.

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· Composition:		
CAS: 7732-18-5 EINECS: 231-791-2	Water	87,5%
CAS: 56-81-5 EINECS: 200-289-5	glycerol substance with a Community workplace exposure limit	12,0%
CAS: 2611-82-7 EINECS: 220-036-2	trisodium 1-(1-naphthylazo)-2-hydroxynaphthalene-4',6,8-trisulphonate	2,5%
CAS: 5601-29-6 EINECS: 227-022-5	hydrogen bis[2-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]benzoato(2-)]chromate(1-)	2,0%
CAS: 4321-69-1 EINECS: 224-352-1	disodium 5-acetamido-3-(4-acetamidophenyl)azo-4-hydroxynaphthalene-2,7-disulphonate	2,0%
CAS: 129-17-9 EINECS: 204-934-1	hydrogen [4-[4-(diethylamino)-2',4'-disulphonatobenzhydrylidene]cyclohexa-2,5-dien-1-ylidene]diethylammonium, sodium salt	2,0%
CAS: 6358-69-6 EINECS: 228-783-6	trisodium 8-hydroxypyrene-1,3,6-trisulphonate	1,6%
CAS: 3844-45-9 EINECS: 223-339-8	dihydrogen (ethyl)[4-[4-[ethyl(3-sulphonatobenzyl)]amino]-2'-sulphonatobenzhydrylidene]cyclohexa-2,5-dien-1-ylidene](3-sulphonatobenzyl)ammonium, disodium salt	1,5%
CAS: 3520-42-1	hydrogen 3,6-bis(diethylamino)-9-(2,4-disulphonatophenyl)xanthylium, sodium salt	1,0%
CAS: 1934-21-0 EINECS: 217-699-5	trisodium 5-hydroxy-1-(4-sulphophenyl)-4-(4-sulphophenylazo)pyrazole-3-carboxylate	1,0%

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 rinse with water.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult 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: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents:** Not available
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Use Personal Protective equipment recommended in section 8.

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- **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).
- **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** For the general occupational hygienic measures refer to Section 8.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **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:**

56-81-5 glycerol (12%)

WEL (Great Britain)	Long-term value: 10 mg/m ³
MAK (Germany)	Long-term value: 200E mg/m ³ vgl. Abschn. Xc
VME (France)	Long-term value: 10 mg/m ³

- **DNELs** Not available
- **PNECs** 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.
- **Personal protective equipment:**
- **Respiratory protection:** Not required.
- **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

· **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

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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

Goggles recommended during refilling

- **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**

- **Appearance:**

Form:

Liquid

Colour:

Black, Red, Yellow, Fluorescent yellow, Magenta, Pink, Blue, Gray, Light blue, Violet, Coffee, Fluorescent orange, Orange, Green, Light green

- **Odour:**

Odourless

- **Odour threshold:**

Not available

- **pH-value:**

Not available

- **Change in condition**

Melting point/Melting range:

Not available

Boiling point/Boiling range:

Not available

- **Freezing point:**

Not available

- **Flash point:**

Not available

- **Flammability (solid, gaseous):**

Not applicable.

- **Auto-ignition temperature:**

Not available

- **Decomposition temperature:**

Not available

- **Self-igniting:**

Not available

- **Explosive properties:**

Not available

- **Explosion limits:**

Lower:

Not available

Upper:

Not available

- **Oxidizing properties:**

Not available

- **Vapour pressure:**

Not available

- **Density:**

Not available

- **Relative density:**

Not available

- **Vapour density:**

Not available

- **Evaporation rate:**

Not available

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

Not available

- **Partition coefficient (n-octanol/water):** Not available

- **Viscosity:**

Dynamic:

Not available

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Kinematic:	Not available
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· 9.2 Other information	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** Based on available data, the classification criteria are not met.
- **LD/LC50 values relevant for classification:** Not available
- **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.

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:** Not available

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation:** Small quantities can be disposed of with household waste.

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- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- | | |
|--|--|
| · 14.1 UN-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 |
| · 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)**

None of the ingredients is listed.

- **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.

- **Other regulations, limitations and prohibitive regulations**

- **SVHC Candidate List of REACH Regulation Annex XIV Authorisation (17/12/2015)**

None of the ingredients is listed.

- **REACH Regulation Annex XVII Restriction (13/01/2016)**
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:** A Chemical Safety Assessment has not been carried out.

EU

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SECTION 16: Other information

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The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830.

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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

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)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

· *****
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