



SDS Report

No. HKHC1601000518HC-01

Date :Feb 15, 2016

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YOU&I CORPORATION

40,19 BEON-GIL,SANDAN-RO, DANWON-GU, ANSAN-SI, GYEONGGI-DO, KOREA(425-851)

Job No. : HKHC16010000295

This report supersedes testing report HKHC1601000518HC

The following sample was submitted and identified by the client as

Product Description : Gel-Pen Ink
Sample Appearance : The Black, The Blue, The Red, The Green, The BL. Black
SGS Sample No. : HKHC16010000295-101
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 17.02.2016

Revision: 05.02.2016

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

- **1.1 Product identifier**
- **Trade name:** Gel-Pen Ink
- **Article number:** *The Black, The Blue, The Red, The Green, The BL. Black*
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the mixture:** *Gel Pen*
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
You & I Corporation
40,19BEON-GIL,SANDAN-RO,DANWON-GU,ANSAN-SI,GYEONGGI-DO,KOREA(425-851)
Tel:82 31 494 2030
Email: itc@youicolor.com
- **Only Representative / other EU contact point:** *Not available*
- **Further information obtainable from:** *You & I Corporation*
- **1.4 Emergency telephone number:**
UNITED KINGDOM
National Poisons Information Service
Tel: +44 (0) 844 892 0111
- **1.5 Reference Number:** *HKHC1601000518HC-01, SHHL1601003876ST-01*

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.
- **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.

- **Composition:**

CAS: 7732-18-5 EINECS: 231-791-2	Water	69,3%
CAS: 25322-68-3 NLP: 500-038-2	polyethylene glycol	25,0%

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CAS: 56-81-5 EINECS: 200-289-5	glycerol substance with a Community workplace exposure limit	20,0%
CAS: 1333-86-4 EINECS: 215-609-9	Carbon black substance with a Community workplace exposure limit	8,0%
CAS: 147-14-8 EINECS: 205-685-1	29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32 copper	7,0%
CAS: 2786-76-7 EINECS: 220-509-3	4-[[4-(aminocarbonyl)phenyl]azo]-N-(2-ethoxyphenyl)-3-hydroxynaphthalene-2-carboxamide	5,0%
CAS: 1328-53-6 EINECS: 215-524-7	polychloro copper phthalocyanine	5,0%
CAS: 112-27-6 EINECS: 203-953-2	2,2'-(ethylenedioxy)diethanol substance with a Community workplace exposure limit	5,0%
CAS: 9003-01-4	Poly (acrylic acid)	0,5%
CAS: 124-68-5 EINECS: 204-709-8 Index number: 603-070-00-6	2-amino-2-methylpropanol  Skin Irrit. 2, H315; Eye Irrit. 2, H319; Aquatic Chronic 3, H412	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 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.
- **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.

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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 (20%)

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

1333-86-4 Carbon black (8%)

WEL (Great Britain)	Short-term value: 7 mg/m ³ Long-term value: 3,5 mg/m ³
VME (France)	Long-term value: 3,5 mg/m ³

112-27-6 2,2'-(ethylenedioxy)diethanol (5%)

AGW (Germany)	Long-term value: 1000 E mg/m ³ 2(II); DFG, Y, 11
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124-68-5 2-amino-2-methylpropanol (0,5%)

AGW (Germany)	Long-term value: 4,6 mg/m ³ , 1 ppm 2(I); AGS, 11
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- **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.

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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 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, Blue, Red, Green, BL. Black

- **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

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Trade name: *Gel-Pen Ink*

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- | |
|---|
| · Partition coefficient (n-octanol/water): Not available |
| · Viscosity: |
| Dynamic: Not available |
| Kinematic: Not available |
| · 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 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

EU

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Trade name: Gel-Pen Ink

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SECTION 13: Disposal considerations

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

1333-86-4 | Carbon black

3B

- **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.

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· **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.

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.

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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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