
Safety Data Sheet

HCS-2012 APPENDIX D TO §1910.1200 Regulation (EC) No 1907/2006 (REACH),

Annex II (COMMISSION REGULATION (EU) No 453/2010)

Applicant GUANGZHOU PROS-VIEW DIGITAL TECHNOLOGY CO., LTD.

Address TIANHE DISTRICT GUANGZHOU CHINA

Attn.: Rose

Sample: Sublimation ink

Description:

Model No.: /

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

1.1. Product identifier

Product Name:	Sublimation ink
Brand	INKBANK
Model No.:	/
REACH registration No.:	Not applicable

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

Recommended Use:	Printing
Uses advised against:	No information available

1.3. Details of the supplier of the safety data sheet

Company:	GUANGZHOU PROS-VIEW DIGITAL TECHNOLOGY CO., LTD.
Address:	TIANHE DISTRICT GUANGZHOU CHINA
Telephone:	0086-020-22823888
FAX:	0086-020-22823889
E-mail:	cze@pros-view.com

1.4. Emergency telephone number

Emergency Phone:	0086-020-22823888
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture


Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified as hazardous.

Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified as hazardous.

2.2. Label elements

Symbols/Pictograms	
Signal word	Warning.
Hazard statement(s)	
H302	Harmful if swallowed.
H373	May cause damage to organs through prolonged or repeated exposure.
Precautionary statement(s)	none
Supplemental Hazard	none
Hazardous substances warning is only for the ink. It will volatilize completely after Printing and will not remain in the printing products	


Hazard Statements	Not applicable.
Precautionary Statements	Not applicable.

2.3. Other hazards

No information available

SECTION 3: Composition/information on ingredients

3.1. Mixture

Chemical Name	EC No	CAS No	Weight-%	Classification according to Directive 67/548/EEC or 1999/45/EC	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Diglycol	203-872-2	111-46-6	5-25	Xn; R20/22	Acute Tox. 4 (H302); STOT RE 2; H302, H373 
Glycerol	200-289-5	56-81-5	20-35	Not classified	Not classified
Water	231-791-2	7732-18-5	20-60	Not classified	Not classified
Poly(ethylene glycol)	200-849-9	25322-68-3	0.1-0.2%	Not classified	Not classified
Diethylene glycol monobutyl ether	203-961-6	112-34-5	0.1-0.2%	Not classified	Not classified

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice

Remove contaminated clothing and shoes. If symptoms persist, call a physician.

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

Skin Contact

Wash off with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.

Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion

Rinse mouth. Do not induce vomiting. Get medical advice/attention.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:	Carbon dioxide (CO ₂). Alcohol resistant foam. Water spray (fog). Dry chemical.
Unsuitable extinguishing media :	No information available

5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating and toxic gases and vapors: oxides of carbon, etc.

5.3. Advice for firefighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas
Ensure adequate ventilation, especially in confined areas
Remove all sources of ignition
Avoid contact with skin, eyes and inhalation of vapors
Use personal protection recommended in Section 8

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so
Do not allow into any sewer, on the ground or into any body of water

6.3. Methods and material for containment and cleaning up

Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container

6.4. Reference to other sections

See Section 7 for more information
See section 8 for more information
See section 13 for more information

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice
Ensure adequate ventilation, especially in confined areas
Avoid contact with skin, eyes or clothing
Avoid breathing vapors or mists
Do not eat, drink or smoke when using this product
Wash thoroughly after handling
Use personal protection recommended in Section 8

7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place
Keep away from heat
Keep locked up and out of reach of children
Keep away from food, drink and animal feeding stuffs
Store in accordance with local regulations

7.3. Specific end use(s)

Apart from the uses mentioned in SECTION 1.2 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Ingredients with limit values that require monitoring at the workplace:

Chemical Name	Australia	Austria	Belgium	Denmark	European Union
Diglycol	-	-	-	-	-
Glycerol	10 mg/m ³	-	-	-	-
Water	-	-	-	-	-

Derived No Effect Level (DNEL)

No information available.

Predicted No Effect Concentration (PNEC)

No information available.

8.2. Exposure controls**Engineering Controls**

Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/face protection: Wear safety glasses with side shields (or goggles)

Hand Protection: Wear protective gloves

Skin and body protection: Suitable protective clothing

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment

8.3. Environmental exposure controls

Do not allow into any sewer, on the ground or into any body of water

SECTION 9: Physical and Chemical Properties**9.1. Information on basic physical and chemical properties**

Appearance	Liquid
Color	BK/C/M/Y
Odor	No information available Odor
pH	6-8
Freezing point	-18°C
Boiling point / boiling range	95-110°C
Flash point	above 130°C
Viscosity	2.5-5 Dynamic
Evaporation rate	No information available
Flammability	Not flammable Flammability
Limit in Air	No information available Vapor Pressure
No information available Vapor density	No
information available Density	No
information available Relative density	No
information available Bulk density	No
information available Specific gravity	No
information available Water solubility	No
information available Partition coefficient	

Autoignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	No information available
Dynamic viscosity	No information available
Explosive properties	Not an explosive Oxidizing
properties	No information available

9.2. Other information

No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

Strong heating.

10.5. Incompatible materials

Strong oxidizing agents. Strong acids. Strong bases.

10.6. Hazardous decomposition products

Carbon monoxide
Carbon dioxide (CO₂)
Other incomplete combustion products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Diglycol	12565 mg/kg bw(rat)	11890 mg/kg bw(rabbit)	-
Poly(ethylene glycol)	30200 mg/kg bw(rat)	>20000 mg/kg bw(rabbit)	-

Skin corrosion/irritation

Non-irritating to the skin.

Serious eye damage/eye irritation

No eye irritation.

Sensitization

No information available.

Germ cell mutagenicity

No information available.

Carcinogenicity

No information available.

Reproductive toxicity

No information available.

STOT - single exposure

No information available.

STOT - repeated exposure

No information available.

Aspiration hazard

No information available.

- 11.2.** The polyethylene glycol, which is one of the surfactant, will completely volatilize after Printing, and will not remain in the printed products

SECTION 12: Ecological information**12.1. Toxicity**

Chemical Name	Daphnia magna (Water flea) EC50	Carassius auratus (goldfish) LC50	Pimephales promelas (fathead minnow) LC50
Diglycol (CAS #: 111-46-6)	> 10000mg/l: 24h	5000 mg/l: 24h	75200 mg/l: 24h

Chemical Name	Daphnia magna (Water flea) EC50	Fish (Lepomis macrochirus) LC50	Algae (Desmodesmus subspicatus)
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			(Scenedesmus subspicatus) LC50
Diethylene glycol monobutyl ether	> 100mg/l: 48h	1300 mg/l: 96h	> 100mg/l: 96h

The Diethylene glycol butyl ether, which is one of the surfactants, will completely volatilize after printing, and will not remain in the printed products

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

Chemical Name	Bioconcentration factor (BCF)
Diglycol (CAS #: 111-46-6)	100

12.4. Mobility in soil

No information available

12.5. Results of PBT and vPvB assessment

PBT/vPvB assessment information is not available as chemical safety assessment not conducted.

12.6. Other adverse effects

No information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products:	Disposal should be in accordance with applicable regional, national and local laws and regulations
Contaminated packaging:	Empty containers should be taken for local recycling, recovery or waste disposal.

SECTION 14: Transport information

14.1. UN Number	Not regulated
14.2. Proper shipping name	Not regulated
14.3. Hazard Class	Not regulated
14.4. Packing Group	Not regulated
14.5. Environmental hazards	Not marine pollutant

14.6. Special precautions	No information available
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Take note of Directive 94/33/EC on the protection of young people at work

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

International Inventories

No information available

15.2. Chemical safety assessment

No information available

SECTION 16: Other information

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Key or legend to abbreviations and acronyms used in the safety data sheet

TWA - TWA (time-weighted average)

STEL - STEL (Short Term Exposure Limit)

Ceiling - Maximum limit value

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

Full text of H-Statements referred to under section 3

Acute Tox. Acute toxicity

H302 Harmful if swallowed.

H373 May cause damage to organs through prolonged or repeated exposure.

STOT RE Specific target organ toxicity - repeated exposure

H319 Cause serious eye irritation

Full text of R-phrases referred to under sections 2 and 3

Xn Harmful

R22 Harmful if swallowed.

Xi Irritating to eyes

R36 Irritating to eyes

Disclaimer

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