

# Material Safety Data Sheet

(1907/2006/EC)

Version: 1.1

Date of Print: 13.05.2013

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifiers

Product Name Sublimation Dye Ink, Cyan, Magenta, Yellow or Black  
Brand Bluesky  
CAS No. N/A

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

Digital Inkjet Textile Printing

### 1.3 Details of the supplier of the safety data sheet

Company Zhejiang Lanyu Digital Technology Co., Ltd.  
180 Duqing Road S.  
Fotang Town, Yiwu, Zhejiang, China 322002  
Telephone +86-579-85720866  
Fax +86-579-85715667  
Email Address [sales@lanyudigital.com](mailto:sales@lanyudigital.com)

### 1.4 Emergency telephone number

Emergency telephone No. +86-579-85720866

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]**

Not hazardous

**Classification according to EU Directives 67/548/EEC or 1999/45/EC**

Not dangerous

### 2.2 Label elements

**Labelling according Regulation (EC) No 1272/2008 [CLP]**

No need to label.

**According to European Directive 67/548/EEC as amended.**

No need to label.

### 2.3 Other hazards

None

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	EC No.	Weight %	EU Symbol	EU R-Phrase
Glycerin	56-81-5	200-289-5	10-35%	None	None
Proprietary Sublimation Dye	-	-	1-10%	None	None
Proprietary Surfactant	-	-	1-5%	None	None
Proprietary Additive	-	-	< 1%	None	None
Water	7732-18-5	215-185-5	Balance	None	None

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

#### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

#### If inhaled

No exposure expected under normal conditions. Large amount of vapor or mist if inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

#### In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

#### In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

#### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### 4.2 Most important symptoms and effects, both acute and delayed

Any relevant information can be found in other parts of this section.

### 4.3 Indication of immediate medical attention and special treatment needed

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None

## 5. FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

#### Suitable extinguishing media

Water spray, dry chemical, carbon dioxide, alcohol-resistant foam.

### 5.2 Special hazards arising from the substance or mixture

Carbon oxides, nitrogen oxides (NO<sub>x</sub>).

### 5.3 Precautions for fire-fighters

No special fire fighting procedures are required other than breathing apparatus.

### 5.4 Further information

None

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment (see section 8). Avoid contact with eyes and skin.

### 6.2 Environmental precautions

Prevent material from entering surface waters, drains or sewers and soil. Contain any fluid that runs out using suitable material (e.g. earth). Retain contaminated water/extinguishing water. Dispose of in prescribed marked containers.

### 6.3 Methods and materials for containment and cleaning up

If a spill occurs, use sponges to wipe-up ink, then rinse area with damp cloth. Waste in closed container for disposal. Contain larger amounts and pump up into suitable containers.

### 6.4 Reference to other sections

For disposal see section 13.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Wear personal protective equipment (See Section 8). Wash thoroughly after handling. Keep out of reach of children and do not drink ink.

### 7.2 Conditions for safe storage, including any incompatibilities

Do not store the cartridge in a higher than 30°C or freezing temperatures. Keep cartridge out of direct sunlight.

Keep away from incompatible substances (See Section 10)

### 7.3 Specific end uses

no data available

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### Components with workplace control parameters

INGREDIENTS	ACGIH TLV (as mist) TWA = 10 mg/m <sup>3</sup>	OSHA PEL (as mist) total dust TWA = 15 mg/m <sup>3</sup>	EU ILV Not established	DFG MAK Not established
Glycerin				
Dye	Not established	Not established	Not established	Not established
Surfactant	Not established	Not established	Not established	Not established

### 8.2 Exposure controls

#### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Use process enclosures or local exhaust ventilation.

#### Personal protective equipment

##### Eye/face protection

Splash goggles should be worn.

##### Skin protection

Impervious gloves should be worn.

##### Body Protection

Not required under normal conditions.

##### Respiratory protection

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Not required under normal conditions.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance	: Colored liquid
Odour	: Slight characteristic odor
pH	: 7-9 (25 °C)
Melting/freezing point	: < 0 °C
Boiling point	: 100 °C @ 101.3 kPa
Flash point	: > 120 °C (closed cup)
Evaporation rate	: no data available
Flammability (solid, gas)	: no data available
Upper explosion limit	: no data available
Lower explosion limit	: no data available
Vapour pressure	: no data available
Vapour density	: no data available
Relative density	: 1.05-1.15 g/ml @ 25 °C
Water solubility	: completely miscible
Autoignition temperature	: no data available
Decomposition temperature	: no data available
Viscosity	: 7-13 cSt (25 °C)
Explosive properties	: no data available
Oxidizing properties	: no data available

### 9.2 Other safety information

no data available

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

Very low.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

no data available

### 10.4 Conditions to avoid

High temperature and sun light.

### 10.5 Incompatible materials

Oxidizers and explosives.

### 10.6 Hazardous decomposition products

Carbon oxides, nitrogen oxides.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Route of exposure

Eye, skin, inhalation, and oral

### 11.2 Signs and symptoms of overexposure

May be harmful if swallowed. May cause eye and mucous membrane irritation. May cause slight skin irritation.

### 11.3 Information on toxicological effects

#### Product

LD50 Oral - rat - > 5000 mg/kg

LD50 Dermal - rabbit - > 2000 mg/kg

#### Ingredients:

Glycerin

LD50 Oral - rat - 12600 mg/kg

LD50 Dermal - rabbit - > 10000 mg/kg

Eye irritation - rabbit - Mild - 24h

Skin irritation - rabbit - Mild - 24h

Mutagenicity: Ames test Negative, Chromosomal aberration test Negative

Dye

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LD50 Oral – mouse– > 4000mg/kg  
Eye irritation – rabbit – Mild – 24h  
Skin irritation – rabbit – Moderate – 24h  
Mutagenicity: Ames test Negative

## Carcinogenicity

IARC: No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

### 11.4 Chronic toxicity

#### Product

Repeated or prolonged exposure may cause slight skin irritation.

#### Ingredients

Glycerin

### 11.5 Prolonged or repeated exposure may cause: Nausea, Headache, Vomiting

#### Further toxicological information

No data available

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

Glycerin is readily biodegradable

### 12.2 Persistence and degradability

no data available

### 12.3 Bioaccumulative potential

no data available

### 12.4 Mobility in soil

no data available

### 12.5 Results of PBT and vPvB assessment

no data available

### 12.6 Other adverse effects

no data available

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

#### Product

Dispose of in accordance with local regulations.

#### Contaminated packaging

Completely discharge containers. Containers may be recycled or re-used. Dispose of in accordance with local regulations.

### 13.2 Further information

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

## 14.

### TRANSPORT INFORMATION

	ADR/RID	IMDG	IATA
14.1 UN No.	-	-	-
14.2 UN proper shipping name	Not dangerous goods		
14.3 Transport hazard class	-	-	-
14.4 Packaging group	-	-	-
14.5 Environmental hazards	Hazardous to the environment: no Marine Pollutant (IMDG): no		
14.6 Further information			

## 15. REGULATORY INFORMATION

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

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

The mixture is non-dangerous in accordance with Directive 1999/45/EC.

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### 16. OTHER INFORMATION

Disclaimer: The information provided on this Safety Data Sheet is designed only as a guide for safe handling, use, processing, storage, transportation, and disposal, and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.