

## MATERIAL SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006

Published: 2013/02/01

### SECTION 1 GENERAL INFORMATION

Trade Name: INK CYAN 6104-F / MAGENTA 992-F / YELLOW 4008-F  
INK BLACK 8154-F / LIGHT CYAN 6106-F / LIGHT MAGENTA 994-F

Company Name: Lian-Xing-Fa Industry Limited

Address: No.20-2, Heng-Zun Ln, Yuan-Zhong Village, Fusing Township, Changhua County, 50643 Taiwan

### SECTION 2 COMPOSITION INFORMATION

Material	CAS	Contents%	EINECS#
Pigment Blue 15:3	147-14-8Numbe	1.0-2.0 %	2056851
Pigment Red 122	1047-16-4	3.0-4.0 %	213879
Pigment Yellow 150	68511-62-6	3.5-4.5 %	2709448
Carbon Black 7	1333-86-4	3.5-4.5 %	2156099
Pigment Blue 15:3	147-14-8	1.0-2.0 %	2056851
Pigment Red 122	1047-16-4	1.0-2.0 %	213879
Diethyleneglycol diethylether	112-36-7	55.0-75.0 %	
r-Butyrolactone	96-48-0	10.0-20.0 %	
Dimethyl Glutarate	1119-40-0	5.0-10.0 %	
Dimethyl Adipate	627-93-0	1.0-5.0 %	
Dimethyl Succinate	106-65-0	1.0-5.0 %	

### SECTION 3 HAZARD IDENTIFICATION

#### 3.1 Emergency Overview:

Inks components are CYAN, MAGENTA, YELLOW, BLACK, Light CYAN, Light Magenta liquid that causes eye, nose or throat irritation. Ink may flash under high temperature. Avoid contact with eyes or clothing. In case of skin contact, wash with soap and water. Keep out of the reach of children.

#### 3.2 Potential Health Effects:

Eye: Ink contact with eye will be irritating. See Section 11 for Toxicology.

Skin: Ink contact with skin may cause irritation, may cause some discomfort  
If in contact with the skin for several hours. See Section 11 for  
Toxicology.

Inhalation: Ink vapors will cause irritation and anesthesia See Section 11 for  
Toxicology.

Ingestion: May cause headache, throat pain and upset stomach. See Section 11 for  
Toxicology.

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

### SECTION 4 FIRST AID MEASURES

Eyes: Immediately flush with large amounts of water for 15 minutes. Get

medical attention.

Skin: Wash skin thoroughly with soap and water. Consult a physician if irritation continues.

Inhalation: Remove from exposure and move to fresh air immediately..

Ingestion: Remain calm. Seek medical advice and attention.

## **SECTION 5 FIRE FIGHTING MEASURES**

Flammability: Combustible liquid. See Section 9 for Flash Point.

Extinguishing Media: Water spray, dry chemical, carbon dioxide

Fire Fighting Instructions: Do not work in the leeward. Wear full protective clothing, including helmet, self-contained positive pressure or pressure-demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask and protective covering for exposed areas of the hand.

## **SECTION 6 ACCIDENTAL RELEASE MEASURES**

6.1 Personal protections: Keep away the person from periphery of the place of the leakage.

6.2 Methods of cleaning up: Use sponges to wipe-up ink, then place waste in closed container for disposal. Wash hands with soap and water

## **SECTION 7 HANDLING AND STORAGE**

7.1 Handling Avoid eye contact with vapor or spray. Avoid breathing of vapor or spray. Avoid prolonged repeated skin contact. Do not eat and drink, when using this product. Keep out of reach of children.

7.2 Storage Store away from acids. Store away from heat. Store out of direct sunlight. Store away oxidizing agents. Keep container in a well-ventilated area.

## **SECTION 8 EXPOSURE CONTROLS and PERSONAL PROTECTION**

Engineering Controls: Proper ventilation

Exposure Control: Not established

Personal Protection: Not required under proper installation. Other handling use requires gloves, goggles, etc.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	CYAN, MAGENTA, YELLOW, BLACK, Light Cyan, Light Magenta Liquid
Odor:	Slightly
PH:	8.0 – 9.0
Vapor Pressure:	Less than 40 Pa (20 deg C)
Boiling point:	Over 175 deg C
Flash Point:	about 76 deg C
Solubility in water:	(at 25 deg C, pH=7) soluble
Solubility in fat:	No data available
Viscosity:	1.2 mPa/s (20 deg C)
Freezing/Melting Point:	-70 deg C
Specific Gravity/Density	0.9118

## SECTION 10 STABILITY AND REACTIVITY

Stability:	Stable under normal temperature
Hazardous Polymerization:	Will not occur
Hazardous decomposition products:	No data available
Incompatibility:	Oxidizers and Explosives
Harmful gas from combustion:	No data available.

## SECTION 11 TOXICOLOGICAL INFORMATION

Routes of Overexposure: Eye, skin inhalation, and oral ingestion

Acute Health Hazards: Overexposure of the eye surface to ink may be mildly irritating. Overexposure of ink contact with the skin may cause irritation and in some people, swelling and redness. Intentional inhalation of ink vapors may result in respiratory tract irritation. Intentional or accidental oral ingestion may cause an upset stomach.

Chronic Health Hazards: None known

Mutagenicity:	No data available
Carcinogenicity:	Nickel Free
Toxicity:	Oral LD <sub>50</sub> : >1540 mg/kg (Rat)
Eye Irritating:	Moderate Irritant (Rabbit)
Skin Irritating:	Moderate Irritant (Rabbit)
Skin sensitizing:	Moderate Irritant (Rabbit)

## SECTION 12 ECOLOGICAL INFORMATION

No data available on the adverse effects of this material on the environment.

## SECTION 13 DISPOSAL CONSIDERATIONS

Disposal should be in accordance with federal, state, and local requirement.

## SECTION 14 TRANSPORTATION INFORMATION

Un Class/Un Number: Not Applicable

Follow proper Handling and Storage

Not regulated as Hazardous Material by DOT, IMO, or IATA

Symbols and indication according to 1999/45/EC:

## SECTION 15 REGULATORY INFORMATION

UN Regulation:

TSCA Section 4(a) Final Test Rules Regulated

Not regulated

TSCA Section 8(a) Preliminary Assessment Information Rule(PAIR)

Not regulated

TSCA Section 8(a) Inventory Update Rule

Not regulated

TSCA Section 12(b) One-Time Export Notification Regulated

Not regulated

EINECS Inventory List: listed on EINECS

## SECTION 16 EU REGULATORY INFORMATION

European/International Regulations

Hazard Symbols: Xn / Xi

Risk Phrases: [Xi][N] R10-37-51/53 S(2)-61

R 20/21 Harmful by inhalation and in contact with skin.

R36/38 Irritating to eyes and skin. Safety Phrases:

S 24 Avoid contact with skin.

S 41 In case of fire and/or explosion do not breathe fumes

European/International Regulations

European Labeling in Accordance to directives 67/548/EEC and 1999/45/EC

In Accordance to Regulation California Proposition 65

In Accordance to Regulation (EC) No. 1907/2006

## SECTION 17 OTHER INFORMATION

To the best of our knowledge, the information contained here is accurate. However, neither LIAN-XING-FA INDUSTRY LTD. nor any subsidiaries assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any materials is the sole responsibility of the user. All materials may present unknown hazards and should be used in hazards, which exist.

Regulatory information with regard to this substance in your country or in your region should be examined by your own responsibility.