



# Safety Data Sheet

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name (Trade Name): Solvent Direct Ink  
Synonyms: Solvent Direct Ink - C,M,Y,K,LC, LM, LK, LLK  
Product Uses: Industrial Ink Jet Ink

Manufacturer: A-TECH  
Address: 87-29, Hanam-Daero 105beon-gil, Hanam-si Gyeonggi-do, Korea  
Telephone: 82-31-791-4477  
Fax: 82-31-791-4475

Company: LogoJet, USA  
Address: 301 Pride's Crossing Lafayette, LA 70508  
Telephone: 337.330.8471

## SECTION 2: HAZARDS IDENTIFICATION



**Inhalation:** Intentional exposure to ink vapors may cause respiratory irritation.

**Skin:** Ink contact with skin may cause irritation, swelling, or redness.  
Not expected to cause an allergic skin reaction.

**Eyes:** Ink contact with eye may be mildly irritating.

**Ingestion:** May cause upset stomach.



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### SECTION 3: INGREDIENTS

	C.A.S No.	% by Weight
Solvent dye(black.red.cyan.yellow)	-	3 ~ 5%
Gamma Butyrolactone	96-48-0	2 ~ 10%
Propylene glycol monomethyl ether	107-98-2	70 ~ 90 %
Substance Name	C.A.S No.	% by Weight
Solvent dye(black.red.cyan.yellow)	-	3 ~ 5%
Gamma Butyrolactone	96-48-0	2 ~ 10%
Propylene glycol monomethyl ether		107-98-2

### SECTION 4: FIRST AID MEASURES

**Inhalation:** Remove victim to a well ventilated area. Give oxygen or artificial respiration as required. Treat symptomatically and consult physician.

**Skin:** Remove contaminated clothing. Wash thoroughly with mild soap and warm water. Consult a physician if there is any persisting irritation.

**Eyes:** Flush with copious amounts of water for at least fifteen minutes. Consult physician.

**Ingestion:** Drink two glasses of water to dilute. Do not induce vomiting. Consult physician or poison control center immediately. Never give anything by mouth to an unconscious person. Treat symptomatically. Be prepared to provide the attending physician with a copy of this document.

**Special Notes to Attending Physician:** There is no specific antidote. Treatment of overexposure should be directed at control of the symptoms and the clinical condition.



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### SECTION 5: FIRE FIGHTING MEASURES

**Extinguishing media:** Use material appropriate for surrounding fire.

**Unusual fire and explosion hazards:** None

**Combustion Hazards:** Products of combustion include carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>) and oxides of sulfur.

**Special Firefighting Procedures:** Wear full protective fire fighting gear including self-containing breathing apparatus (SCBA)

### SECTION 6: ACCIDENTAL RELEASE MEASURES

1. Spilled – use sponge to wipe up the ink.
2. Wear rubber gloves and goggles to avoid contacting ink to skin and eyes.
3. Place in closed container for proper disposal.

### SECTION 7: HANDLING AND STORAGE

**Handling:** In use of ink, avoid contact with skin and eyes. Wash exposed skin daily. Keep out of reach of children. Do not dismantle the cartridge.

**Storage requirements:** Store in a place away from strong oxidizers. Do not store ink or the cartridge in high or freezing temperature. Avoid direct sunlight.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Respirators are not needed for normal use. But if there is potential for significant dermal contact, wear appropriate impervious clothing and gloves, also wear safety glasses.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES



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<b>Odor Threshold</b> Not Applicable	<b>pH</b> 	<b>Boiling Point</b> Not determined
<b>Form</b> Color liquid	<b>Melting/Freezing Point</b> Not Applicable	<b>Specific Gravity</b> ~ 0.9 at 25°C
<b>Solubility in Water</b> Not soluble	<b>Viscosity</b> Less than 5 cps	

### SECTION 10: STABILITY AND REACTIVITY

This product is chemically stable at normal temperature and storage conditions. Decomposition does not occur during normal use and polymerization will not occur.

### SECTION 11: TOXICOLOGICAL INFORMATION

#### 1) Acute effects

- a. Inhalation : Not tested
- b. Ingestion : LD<sub>50</sub>(rat): >2,000 mg/kg.
- c. Skin : Mild irritant.
- d. Eye : Mild irritant.

2) **Chronic effects** : Not tested. Not listed as a carcinogen under IARC, OSHA etc list

3) **Mutagenic effects** : The yellow colorant was positive in a Salmonella/Escherichia coli mutagenicity assay (Ames assay). This material was negative in an *in vitro* chromosome aberration study using Chinese hamster lung cells.

### SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicological information is not available for product

### SECTION 13: DISPOSAL CONSIDERATION

Dispose of in accordance with federal, state and local regulations.

### SECTION 14: TRANSPORT INFORMATION

This product is not regulated as a hazardous material by the IATA transportation regulations.



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### SECTION 15: REGULATORY INFORMATION

### SECTION 16 OTHER INFORMATION

**Disclaimer :** The information set forth above is based on which *A-tech* believes to be accurate. No warranty, expressed or implied, is intended. The information is provided solely for your information and consideration and *A-tech* assumes no legal responsibility for its use or reliance thereon.

This SDS has been prepared to meet U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

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