

## 1. Product and Company Identification

**Product Name :** HPI-0004C/ H0004-20MC, MM, MY/ H0004-01LC, LM, LY  
H0004-20LC, LM, LY (Cyan, Magenta, Yellow dye Ink)

**Chemical Name :** Water-based ink for inkjet printer

**Manufacturer :** InkTec Co., Ltd.  
1124, Shingil-dong, Danwon-gu, Ansan-city, Kyungki-do  
425-839, Korea  
Tel : +82-31-493-7388  
Fax : +82-31-492-2041

## 2. Composition Information

Ingredients	% By Weight	CAS No.	EC No.
Color dyes	Less than 15%	-	-
Glycol	5 ~ 25%	107-21-1	-
2-Pyrrolidone	2 ~ 20%	616-45-5	210-843-1
Water	Balance	7732-18-5	231-791-2

## 3. Hazards Identification

**Emergency Overview :** This product presents little or no hazard if spilled, and no unusual hazard if involved in a fire. Ink component is a liquid that may cause eye irritation. Avoid contact with eyes or clothing.

**Potential Health Effects :**

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

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

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

**Ingestion :** May cause upset stomach.

## 4. First Aid Measures

- Skin contact :** Wash surface areas with soap and water. Wash soiled clothing before rewearing. Seek medical attention if irritation continues.
- Eyes contact :** Wash eyes immediately with large amounts of water. Seek medical attention if eye irritation continues.
- Inhalation :** Remove subject to ventilated fresh air. Consult a physician if necessary.
- Ingestion :** Seek medical advice ; and attention if stomach continues to be upset.
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## 5. Fire Fighting Measures

- Flammability :** Will not burn.
- Extinguishing Media :** Dry chemical , carbon dioxide , water
- Fire Fighting :** No special fire fighting procedures are required other than breathing apparatus. No special explosion hazards are known.
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## 6. Accidental Release Measures

If a spill occurs, use sponges to wipe-up ink, then rinse area with damp cloth. Place waste in closed container for disposal. Use proper ventilation. Do not dispose of waste to the sewer. No eye or skin protection required during clean-up. Wash hands with soap and water.

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## 7. Precautions for Safe Handling and Storage

- Handling :** Avoid contact with eyes, skin and clothing. Wash hands thoroughly after handling.
- Storage Temperature :** Standard room temperature. (5 °C to 45 °C)
- Storage Precautions :** Keep out of the reach of children and do not drink ink. Keep container closed. Keep away from extreme heat and cold.
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## 8. Exposure Controls and Personal Protection

- Exposure Controls :** None required

**Personal Protection** : Avoid unnecessary skin contact, wear gloves and sleeves. Wash hands thoroughly after handling. Based on available information, additional ventilation is not required.

## 9. Physical and Chemical Properties of Ink Formulation

Properties	Data	Properties	Data
Appearance	Cyan, Magenta, Yellow Liquid	pH	2-6
Odor	Odorless or mild odor	Boiling point	Greater than 212 deg.F / 100 deg.C
Vapor density	Greater than 1 (air=1)	Freezing point	Less than 32 deg.F / 0 deg.C
Relative density	1.08 at 68 deg.F / 20 deg.C	Melting point	Less than 32 deg.F / 0 deg.C
Autoflammability	None	Flash point	Greater than 230 deg.F / 110 deg.C
Explosive properties	None	Solubility in water	Miscible

## 10. Stability and Reactivity

**Stability** : Stable

**Hazardous polymerization** : Will not occur

**Hazardous decomposition products** : None

**Incompatible materials** : Oxidizers and explosives

## 11. Toxicology and Health Hazards

**Routes Of Overexposure** : Eye, skin, inhalation, and oral

**Acute Health Hazards** :

Overexposure of eye surface to ink may be mildly irritating.

Overexposure of skin to ink contact may cause irritation and in some people swelling and redness

Intentional inhalation overexposure to ink vapors may result in respiratory tract irritation

Intentional or accidental oral ingestion may cause an upset stomach

**Chronic Health Hazards** : None known

**Carcinogenicity** : None known

## 12. Ecological Information

No information available.

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## 13. Disposal Considerations

Treat or dispose of waste in accordance with federal, state, and local requirements.

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## 14. Transportation Information

No classification assigned.

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## 15. Regulatory Considerations

**Markings :** No mark after decree of danger matter

**National regulations :** N.A.

**OSHA status :** Product not tested. It is not considered to be toxic per 29CFR1910.1200 but is considered to be a skin/eye irritant.

**International export/import status :** Not determined for every country.

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## 16. Other Information

This MSDS contains health, safety, and environmental information. The information contained herein is believed to be accurate at the time of preparation, but should only be used as a guide. Since the condition of handling and use are beyond our control, we assume no liability for loss or injury resulting from the use of this product or the information herein. Safe use of this product is the responsibility of the user. It is subject to revision from time to time.