



# MATERIAL SAFETY DATA SHEET ( MSDS )

Moorim Chemical Technology

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**TRADE NAME** : Cleaning Liquid for Desktop printers

**PRODUCT TYPE** : Water-based ink for inkjet printer

**MANUFACTURER** : Moorim Chemical Technology co., Ltd.

**ADDRESS** : 14, Baekbeom-ro 934beon-gil, Seo-gu, Incheon, KOREA ( 22845 )

**Emergency telephone number** : +82-32-571-8080 / fax : +82-32-571-8121

**Information telephone number** : +82-32-571-8080

## 2. HAZARDS IDENTIFICATION

### 1) CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Flammable liquid : Hazard category 2

Serious Eye Damage/eye irritation : Hazard category 2

Reproductive toxicity : Hazard category 2

Specific target organ toxicity (single exposure) : Hazard category 2

### 2) GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS

#### a. Hazard symbols



#### b. Signal Word : Dangerous.

#### c. Hazard statement :

H225: Highly flammable liquid and vapour

H319: Causes serious eye irritation

H361: Suspected of damaging fertility or the unborn child

H371: May cause damage to organs

#### d. Precautionary statement :

Precautionary

P201 : Obtain special instructions before use.

P202 : Do not handle until all safety precautions have been read and understood.

P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P233: Keep container tightly closed.

P240: Ground/bond container and receiving equipment.

P241: Use explosion-proof electrical/ventilating/lighting/.../equipment.

P242: Use only non-sparking tools.

P243: Take precautionary measures against static discharge.

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

P264: Wash water thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P280: Wear protective gloves/protective clothing/eye protection/face protection.



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## Countermeasure

P303 + P361 + P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P308+311: If exposed or concerned: Call a POISON CENTER/ doctor/... [Added by IV ATP]

P308 + P313: IF exposed or concerned: Get medical advice/attention.

P337 + P313: If eye irritation persists: Get medical advice/attention.

## Storage

P403 + P235: Store in a well-ventilated place. Keep cool.

P405: Store locked up.

## Disposal

P501 : Dispose of contents/container in accordance with local/regional/national/international regulations.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS #	WEIGHT %	Remarks
2-(2-BUTOXYETHOXY)ETHANOL	112-34-5	5 ~ 10	-
ISOPROPYL ALCOHOL	67-63-0	5 ~ 10	-
WATER	7732-18-5	80 ~ 90	-

## 4. FIRST AID MEASURES

Skin contact : Wash with plenty of soap and water. Do not use organic solvents.

Eye contact : Rinse eyes thoroughly water. In case of eye irritation, seek medical attention.

Inhalation : Move victim to fresh air.

Swallowed : Do not induce vomiting. Call a doctor and contact local poison control center immediately.

## 5. FIRE-FIGHTING MEASURES

FLASH POINT : N/A (Non-flammable water based)

METHOD USED : N/A

FLAMMABLE LIMITS IN AIR BY VOLUME -LOWER : N/A - UPPER : N/A

EXTINGUISHING MEDIA : N/A

SPECIAL FIREFIGHTING PROCEDURES : N/A

UNUSUAL FIRE AND EXPLOSION HAZARDS : N/A



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### **6. ACCIDENTAL RELEASE MEASURES**

#### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Soak up on paper or other absorbent and scoop into closed containers.

Flush area with plenty of water.

### **7. HANDLING AND STORAGE**

#### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Storage temperature : Standard room temperature (68 degree Fahrenheit)

Special sensitivity : Heat, light, moisture

Precautions : Keep container closed, Store away from traffic.

### **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Technical measures/Precautions** : No special precautions required.

**Respiratory protection** : Not necessary.

**Ventilation** : Mechanical ventilation is acceptable.

**Hand protection** : Wear protective gloves

**Eye protection** : Wear suitable goggles or safety glasses with side shields.

**Skin and body protection** : Wear overalls and closed footwear.

**Further information** : Avoid contamination of food, drink, etc. No smoking when handling.

### **9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	: Cleaning liquid.
Odor	: Mild odor
Boiling Point	: No data available
Flash Point	: No data available
Vapor Pressure (mm Hg)	: 17.5 mmHg
Vapor Density (NR=1)	: Heavier than air
Solubility in Water	: No data available
Specific Gravity	: 1.03
Melting Point	: No data available
pH	: 10~12
Evaporation rate	: Very slight

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**10. STABILITY AND REACTIVITY****CHEMICAL STABILITY** : Stable**CONDITION TO AVOID** : None known**MATERIALS TO AVOID** : Strong oxidizing agents and strong acids.**HAZARDOUS DECOMPOSITION PRODUCTS** : Thermal decomposition may release oxides of carbon, nitrogen.**11. TOXICOLOGICAL INFORMATION****Primary route of entry**

Eye toxicity : Long term exposure can create irritation.

Skin toxicity : Long term exposure can create irritation.

**Health hazard information**

Acute toxicity : No information available.

Skin corrosion or irritation : No information available.

Severe eye damage and irritation : No information available.

Respiratory sensitization : No information available.

Skin sensitization : No information available.

Carcinogenicity : No information available.

Germ cell mutagenicity : No information available.

Reproductive toxicity : No information available.

**12. ECOLOGICAL INFORMATION**

Aquatic organisms toxicity : No information available.

Persistence and degradability : No information available.

Bio accumulative potential : No information available

Mobility in soil : No information available

Other adverse effects : No information available

**13. DISPOSAL CONSIDERATIONS**

Waste shall be disposed of in accordance with federal, state, and local environmental control regulations.

**MATERIAL SAFETY DATA SHEET ( MSDS )****Moorim Chemical Technology****14. TRANSPORT INFORMATION**

No classification assigned.

A. Land Transport ADR/RID : No classification assigned.

B. Air Transport IATA/ICAO : No classification assigned.

C. Maritime Transport IMDG : No classification assigned.

**15. REGULATORY INFORMATION**

All components of the ink used in the products listed on this MSDS are listed on ;

TSCA (Toxic Substance Control Act) Inventory

European (EINECS) Inventory

CDSL (Canadian Domestic Substance List)

OSHA STATUS

INTERNATIONAL EXPORT/IMPORT STATUS : Not determined for every country. Contact Moorim Chemical Technology for certification if required.

**16. OTHER INFORMATION**

All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical source. This information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide.

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This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.