

## Material Safety Data Sheet

Product: 90083 **KIWOCLEAN LM 781 E**  
Date: 20.01.03 Revision date: 20.01.03

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### 1. IDENTIFICATION OF PRODUCT AND COMPANY

Product Code: 90083  
Product Name: KIWOCLEAN LM 781 E  
Company: KIWO, Inc.  
1929 Marvin Circle  
Seabrook, TX 77586  
Phone: 281-474-9777  
Fax: 281-474-7325  
  
Recommended use: Cleaner / Ink Wash

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture of the below mentioned materials and non-hazardous substances.

Hazardous components:

CAS-No.	Name	% content
1119-40-0	Dimethyl glutarate	50 – 80%
627-93-0	Dimethyl adipate	5 – 25%
106-65-0	Dinothyl succinate	10 – 30%
not available	non hazardous materials	5 – 20%

### 3. HAZARDS IDENTIFICATION OF THE PREPARATION

May irritate eyes, skin, nose or throat. May cause blurry vision.

Eye- may cause blurry vision

Skin- contact may cause mild irritation

Inhalation- may cause irritation of the upper respiratory tract

### 4. FIRST AID MEASURES

After skin contact, clean thoroughly with soap and water. After eye contact, (remove contact lenses) keep eyelid open, rinse under running water for at least 10 minutes. Remove to fresh air. If irritation continues, seek medical advice. After ingestion, do not induce vomiting - seek medical advice. If unconscious, do not administer anything orally. Place in stable side position and seek medical advice. If breathing is irregular or has stopped, apply artificial respiration.

### 5. FIRE-FIGHTING MEASURES

Adapt fire-extinguishing measures to the surroundings. Do not allow extinguishing water to enter the sewers.

### 6. ACCIDENTAL RELEASE MEASURES

Collect with liquid absorbing material and proceed according to local waste disposal regulations.

### 7. HANDLING AND STORAGE

Heed the usual precautionary measures of handling chemicals. Store container cool and dry.

### 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational exposure limit: NE

CAS No. Name

n.a.

Personal Protection

Protective gloves

Protective goggles recommended

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

Form: liquid  
Color: light brown  
Odor: sweetish

Flash point: 102°C  
Ignition temperature: n.a.  
Density: 1.07g/cm<sup>3</sup>  
Viscosity: 11 s 4 mm  
pH: -

**10. STABILITY AND REACTIVITY**

Stable under recommended storage and handling conditions (see section 7).

**11. TOXICOLOGICAL INFORMATION**

Repeated or prolonged contact may gradually remove natural skin oil, resulting in skin irritation. Eye contact may cause local irritation. Mildly toxic by inhalation in animals.

Inhalation: 4 hrs LC50 > 11mg/l in rats

Inhalation: 1 hr LC50 > 10.7 mg/ in rats

Skin absorption: LD50 > 2,250 mg/kg in rabbits

Oral: LD50 > 8,191 mg/kg in rats

**12. ECOLOGICAL INFORMATION**

In case of conduction into adapted biological purification plants no disturbances need to be expected.

96 hrs LC 50 – fathead minnow 18 – 24 mg/l

48 hrs LC 50 – daphnia magna 112 – 150 mg/l

**13. WASTE DISPOSAL INFORMATION**

Treatment, storage and disposal must be in accordance with applicable governmental regulation.

**14. TRANSPORT INFORMATION**

This product is classified as non-hazardous material, according to ADR, RID, IMDG, IATA, DOT and IMO.

**15. REGULATORY INFORMATION**

Labeling

Not regulated by IMO, IATA, DOT, included on TSCA.

Not a SARA extremely hazardous substance.

Not a CERCLA hazardous substance.

Not a SARA toxic chemical.

93% VOC 998g/l 8.3lbs/gal

Canadian Regulation:

Class D, division 2 subdivision B – Toxic Material – skin or eye irritant

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**16. OTHER INFORMATION**

Text of risk phrases mentioned in chapter 2:

n.a.

For further information please refer to our technical information sheet. Data in this MSDS correspond with our current level of knowledge, but do not represent any assurance of product properties. The user personally is responsible for compliance with all legal requirements.