### 1. IDENTIFICATION OF PRODUCT AND COMPANY

Product Code:	21863
Product Name:	KIWOCOL POLY-PLUS ER (TACK FREE)
Company:	KIWO, Inc.
	1929 Marvin Circle
	Seabrook, TX 77586
Phone:	281-474-9777
Fax:	281-474-7325
<b>Emergency Contact</b>	: 1-800-255-3924 (Chemtel)

MSDS prepared by: Timing Wang

Recommended use: Manufacture of screens for screen printing stencils

### 2. HAZARDS IDENTIFICATION OF THE PREPARATION

This preparation is classified as non-hazardous according to 29CFR 1910-1200.

EMERGENCY OVERVIEW Appearance / Odor: viscous liquid / typical

Potential Health Effects: See Section 11 for more information

Likely routs of exposure: Eye and skin contact and ingestion.

Eye: May cause eye irritation Skin: Prolonged contact may result in skin irritation Ingestion: Not likely to be toxic but may cause stomach irritation.

Medical Conditions Aggravated By Exposure: May cause more significant skin irritation in people with pre-existing skin conditions.

Xi	Irritant
Ν	Dangerous for the environment
36/37/38	Irritating to eyes, respiratory system and skin
51/53	Harmful to aquatic system, may cause long-term adverse
	effects in the aquatic environment

Target Organs: None known

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Potential Environment Effects: See Section 12 for more information

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture of the below mentioned materials and non-hazardous substances Hazardous components:

	EINEC	S-No Name	Hazard	
%conte	ent			
	CAS-No.	R-phrases		
	Not Available	Acrylate mixture 36/37/38-51/53	Xi, N	10 – 30 %

Product: 21863 Date: 9/8/2011

# Additional information: none known

### 4. FIRST AID MEASURES

### After skin contact:

Clean thoroughly with soap and water.

### After eye contact:

Remove contact lenses; keep eyelids open, rinse under running water for at least 10 minutes. 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.

#### After Inhalation:

If symptoms are experienced, remove from source of contamination or move victim to fresh air. If breathing has stopped, apply artificial respiration. Seek medical advice.

## 5. FIRE-FIGHTING MEASURES

Flammable: No	Means of extinction: adapt to surrounding fire
	Unsuitable extinguishing media: n.a
Flash point: n.a	Upper flammable limit: n.a
Explosion data impact: n	.a Lower flammable limit: n.a
Explosion data static: no	ne known

Hazardous combustion products: typical carbon oxygen compounds. Fire fighters should wear SCBA for fighting fires in enclosed areas. Autoignition temp: n.a

## 6. ACCIDENTAL RELEASE MEASURES

Collect with liquid absorbing material and proceed according to local waste disposal regulations. Do not allow large quantities of product to enter waste stream.

## 7. HANDLING AND STORAGE

Heed the usual precautionary measures for handling chemicals. Store container in cool and dry location.

# 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational exposure limit: No exposure limits established for ingredients Personal Protection Protective gloves Protective goggles recommended General Hygiene Considerations: Wash thoroughly after handling. Have eyewash facilities immediately available.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Viscous liquid Color: Blue Product: 21863 Date: 9/8/2011

#### (According to ANSI Z400.1-2004) KIWOCOL POLY-PLUS ER (TACK FREE)

Revision date: 9/8/2011

Odor:TypicalFlash point: n.a.Ignition temperature:n.a.Density:1.04 g/cm³Boiling Point:~212°F (~100°C)Viscosity:9 Pa.spH:~5.5VOC Content:<1%</td>

## **10. STABILITY AND REACTIVITY**

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

Incompatible material: Alkalis and strong oxidizing material

Hazardous decomposition products: Various oxides of carbon

Possible hazardous reaction: Not likely to occur

## **11. TOXICOLOGICAL INFORMATION**

COMPONENT	CAS#	LD <sub>50</sub>	LC <sub>50</sub>
Mixed Acrylates	Not Available	>5,000 mg/kg, oral rat	Not established

Effects of acute exposure – None known Effects of chronic exposure – None known Eye contact - may cause local irritation. Irritancy of product – mild Respiratory sensitization – None known Skin sensitization – Excessive skin contact may cause sensitization Carcinogenicity – Not known to be carcinogenic IARC – No ACGIH – No Reproductive Toxicity – None Known Teratogenicity – None Known Embryotoxicity – None Known Mutagenicity – None Known Name of synergistic products/effects – None Known

## **12. ECOLOGICAL INFORMATION**

In case of conduction into adapted biological purification plants no disturbances need to be expected. Do not allow large quantities of product to enter waste stream.

## **13. WASTE DISPOSAL INFORMATION**

Dispose in accordance with federal, state and local regulations. Empty container: scrap metal recycling or re-conditioning Soiled container: (treatment like product itself)

## **14. TRANSPORT INFORMATION**

# Material Safety Data Sheet

Product: 21863 Date: 9/8/2011

## (According to ANSI Z400.1-2004) KIWOCOL POLY-PLUS ER (TACK FREE) Revision date: 9/8/2011

This product is not classified as a hazardous material, according to DOT, ADR, RID, IMDG and IATA.

## **15. REGULATORY INFORMATION**

Global Inventories (components):

TSCA: United States - included DSL: Canada - included ENCS: Japan - included EINECS: Europe - included

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)

This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would be subject to the proposition.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of information required by the CPR, and it is not classified as a hazardous material.

### Labeling

Labelling	
Xi	Irritant
contains: mix	ked acrylates
R-phrases:	
36/37/38	Irritating to eyes, respiratory system and skin
51/53	Harmful to aquatic system, may cause long-term adverse
	effects in the aquatic environment
S-phrases:	
24/25	Avoid contact with skin and eyes

- In case of contact with eyes, rinse immediately with plenty of water and seek medical attention
  Avoid release to the environment. Refer to special instructions /
- 61 Avoid release to the environment. Refer to special instructions / safety data sheets

### **16. OTHER INFORMATION**

HMIS: Health 1, Flammability 0, Reactivity 0

Text of risk phrases mentioned in chapter 2:

36/37/38	Irritating to eyes, respiratory system and skin
51/53	Harmful to aquatic system, may cause long-term adverse
	effects in the aquatic environment

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.

### DISCLAIMER OF RESPONSIBILITY:

## Material Safety Data Sheet (According to ANSI Z400.1-2004) KIWOCOL POLY-PLUS ER (TACK FREE) Revision date: 9/8/2011

Product: 21863 Date: 9/8/2011

\_\_\_\_\_

This document is generated for the purpose of distributing health, safety and environmental data. It is not a specification sheet nor should any displayed data be construed as a specification. The information on this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, expressed or

implied, regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with handling, storage, use or disposal of this product.