



# MATERIAL SAFETY DATA SHEET

(According to ANSI Z400.1-2004)

**PRODUCT NAME: E-Z™ DIRECT FILM**

**Previous Issue: 4/7/2009**

**Date Prepared: 4/7/2009**

## 1. IDENTIFICATION OF PRODUCT AND COMPANY

Product Name: **E-Z™ DIRECT FILM**  
 Company: ULANO® CORPORATION  
 110 Third Avenue  
 Brooklyn, NY 11217  
 Phone: 718-237-4700  
 Fax: 718-802-1119  
 Emergency contact: 1-800-424-9300 (CHEMTREC)

MSDS prepared by: Fred Widman

Recommended use: Manufacture of stencils for screenprinting

## 2. HAZARD IDENTIFICATION OF THE PREPARATION

This preparation is not classified as hazardous according to 29CFR 1910-1200.

Appearance / Odor: Emulsion coated polyester / no odor

Potential Health Effects: See Section 11 for more information

Potential Health Effects Eyes

This product may be irritating to the eyes.

Potential Health Effects: Skin

Repeated exposure may irritation to skin

Potential Health Effects: Ingestion

Ingestion of this product may be irritating to the digestive system.

Potential Health Effects: Inhalation

No known effect

Target Organs: not known

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

Potential Environmental Effects: See Section 12 for more information.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture of the below mentioned hazardous materials with non-hazardous compounds.

Hazardous compounds:

EINECS-No	Name	Hazard	%content
CAS-No.	R-phrases		
n.a.			

**Additional information:**

For full text of risk phrases see Section 16.

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**4. FIRST AID MEASURES****Inhalation:**

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Ingestion:**

Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention. Place in stable side position and seek medical advice. If breathing is irregular or has stopped, apply artificial respiration.

**Skin Contact:**

Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention if irritation develops. Wash clothing before reuse.

**Eye Contact:**

Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

**5. FIRE-FIGHTING MEASURES**

Flammable: no	Means of extinction: treat surrounding fire
	Unsuitable extinguishing media: Hard water stream
Flash point: n.a	Upper flammable limit: n.a
Explosion data impact: n.a	Lower flammable limit: n.a
Explosion data static: n.a	
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**

This material is not a hazardous waste.

**7. HANDLING AND STORAGE**

Exposure to light or high humidity and result is ineffective film

**8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

Occupational exposure limit:

CAS #	Name	OSHA TWA	ACGIH TWA
No exposure limits established for ingredients			

**Engineering controls**

General- not required  
Local exhaust- recommended  
Other- none

**Personal Protection**

Gloves- recommended  
Respirator- not required

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Eye- protective goggles recommended  
Protective footwear- not required  
Protective clothing- not required  
Other- none

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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Form: coated matte polyester film  
Color: magenta  
Odor: none  
Flash point: n.a  
Ignition temperature: n.a  
Specific gravity: 1.2-1.3 g/cm<sup>3</sup>  
Viscosity: n.a  
Explosion limits: n.a  
Boiling point: n.a  
Vapour density: n.a  
Vapour pressure: n.a  
Freezing point: n.a  
pH: n.a  
Coefficient of water/ oil distribution: unexposed emulsion layer is water soluble

**Volatile Organic Compounds: less than 0.1%**

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## 10. STABILITY AND REACTIVITY

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Stable under recommended storage and handling conditions  
(see Section 7).  
Store as a non-hazardous solid  
INCOMPATIBILITY: Strong oxidizers

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## 11. TOXICOLOGICAL INFORMATION

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### Effects of acute exposure:

#### General information:

Effects of acute exposure:  
Repeated or prolonged contact of emulsion layer can cause local irritation of skin.  
Irritancy of product- possible  
Skin sensitization- none reported  
Respiratory sensitization- none known  
Carcinogenicity- no  
IARC- no  
ACGIH - no  
Reproductive toxicity - none known  
Teratogenicity - none known  
Embryotoxicity - none known  
Mutagenicity - none known  
Name of synergistic products/effects- none known

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**12. ECOLOGICAL INFORMATION**

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Not believed to be an ecological hazard

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**13. WASTE DISPOSAL INFORMATION**

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Polyester film can be disposed of as a non-hazardous solid waste  
Empty container: scrap recycling or re-conditioning  
Soiled container: n.a

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**14. TRANSPORT INFORMATION**

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ADR/RID/DOT:	Class: not regulated
	UN: n.a
Packaging group:	n.a
IMDG:	Class: not regulated
	EMS: n.a
	UN: n.a
Marine pollutant:	no
Packaging group:	n.a

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**15. REGULATORY INFORMATION**

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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**

n.a

**R-phrases:**

n.a

**S-phrases:**

n.a

**Special labeling:**

n.a

National Regulation for Germany:

Water pollution class: 1

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**16. OTHER INFORMATION**

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**HMIS: Health 1, Flammability 0, Reactivity 0**

Text of risk phrases mentioned in Section 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.

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