



MATERIAL SAFETY DATA SHEET

(According to ANSI Z400.1-2004)

PRODUCT NAME: PULSAR® FILM

Previous Issue: September 3, 2004

Date Prepared: February 24, 2013

1. IDENTIFICATION OF PRODUCT AND COMPANY

Product Name: **PULSAR® 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: P. Drago

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: Emulsion coated polyester

Odor: None

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 cause 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:

This product is not considered an ingestion hazard. 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:

If skin irritation is experienced, flush skin with plenty of water for at least 15 minutes. Get medical attention if continues irritation develops.

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

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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
Eye protection-	not required
Protective footwear-	not required
Protective clothing-	not required
Other-	none

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	coated polyester film
Color:	Red
Odor:	none
Flash point:	n.a
Ignition temperature:	n.a
Specific gravity:	n.a
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%

10. STABILITY AND REACTIVITY

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

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

12. ECOLOGICAL INFORMATION

Not believed to be an ecological hazard

13. WASTE DISPOSAL INFORMATION

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

14. TRANSPORT INFORMATION

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

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

16. OTHER INFORMATION

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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