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43321-1042  
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**MATERIAL SAFETY DATA SHEET**

PRODUCT NAME

**ULANO**  
UP-3 FILM

**SECTION I**

Manufacturer's Name <b>ULANO CORPORATION</b>	Emergency Telephone Number <b>CHEMTREC: (800)424-9300 or (703)527-3887</b>
Address (Number, Street,) <b>110 THIRD AVE.</b>	Telephone Number for Information <b>(718)622-5200 Fax#: (718)802-1119</b>
(City, State, ZIP Code) <b>BROOKLYN, NY. 11217</b>	Date Prepared <b>MAY 1, 2000</b>
Signature of Preparer (optional)	

**SECTION II - Ingredients/Identity Information**

(Specific Chemical Identity; Common Name(s)) Ingredients ( EMULSION LAYER )	C.A.S. #	OSHA PEL	ACGIH TLV	Approx. Conc.	Hazard Type
POLYVINYL ALCOHOL	9002-89-5	NOT SET	NOT SET	>30%	NON HAZARDOUS
POLYVINYL ACETATE	9003-20-7	NOT SET	NOT SET	>50%	NON HAZARDOUS
TSRN 80100215-5000P	TRADE SECRET	NOT SET	NOT SET		NON HAZARDOUS
BLUE PIGMENT DISPERSION	NOT ESTAB.	NOT SET	NOT SET	>1%	MILD IRRITANT
BENZENEDIAZONIUM,4(PHENYLAMINO)	41432-19-3	15mg/m <sup>3</sup>	15mg/m <sup>3</sup>	<1%	PNOC ( ACGIH )
SULFATE 1:1POLYMER WITH FORMALDEHYDE					

THIS PRODUCT DOES NOT CONTAIN SARA TITLE III, SECTION 313 REPORTABLE MATERIAL  
 ULANO PRODUCTS ARE NOT MANUFACTURED WITH, NOR DO THEY CONTAIN CLASS-I OR CLASS-II OZONE DEPLETING CHEMICALS.

**SECTION III - Physical/Chemical Characteristics**

Boiling Point N.A.	Specific Gravity (H <sub>2</sub> O=1) N.A.
Vapor Pressure (mm Hg.) N.A.	Melting Point -500°F
Vapor Density (AIR=1) N.A.	Evaporation Rate ( H <sub>2</sub> O=1 ) N.A.
Solubility in Water UNEXPOSED EMULSION DISPERSES COMPLETELY IN WATER	
Appearance and Odor GREEN EMULSION ON CLEAR POLYESTER FILM	

V 4330

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

Flash Point (Method Used) N.A.	Flammable Limits N.A.	LEL N.A.	UEL N.A.
Extinguishing Media WATER FOG, FOAM, CARBON DIOXIDE, DRY CHEMICAL OR HALOGENATED AGENTS			
Special Fire Fighting Procedures TREAT SURROUNDING FIRE			
Unusual Fire and Explosion Hazards FILM REMAINING IN CONTACT WITH FLAME WILL IGNITE AND CONTINUE TO BURN SLOWLY, DROPPING FLAMING LIQUID. IF FLAME SOURCE IS STATIONARY, FILM WILL SHRINK AWAY FROM THE FLAME AND SELF EXTINGUISH.			

**SECTION V - Reactivity Data**

Stability	Unstable	Stable	X
Conditions to Avoid AVOID EXPOSURE TO SUN LIGHT AND UV RADIATION.			
Incompatibility (Material to Avoid) NONE KNOWN			
Hazardous Decomposition or Byproducts NONE KNOWN			
Hazardous Polymerization	May Occur	Will Not Occur	X
Conditions to Avoid NONE KNOWN			

HMIS Health [ 1 ] Flammability [ 0 ] Reactivity [ 0 ] Personal Protection [ A ]

**SECTION VI - Health Hazard Data**

Route(s) of Entry	Inhalation? NO	Skin? NO	Ingestion? NO
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Health Hazards (Acute and Chronic)  
NONE KNOWN

Carcinogenicity:	NTP? NO	IARC Monographs? NO	OSHA Regulated? NO
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Signs and Symptoms of Exposure  
NONE KNOWN

Medical Condition Generally Aggravated by Exposure  
NONE KNOWN

Emergency and First Aid Procedures  
NO KNOWN REQUIREMENTS

**SECTION VII - Precautions for Safe Handling and Use**

Steps to be taken in case Material is Released or Spilled  
NO KNOWN SPECIAL REQUIREMENTS

Waste Disposal Method  
NO KNOWN SPECIAL REQUIREMENTS

Precautions to be Taken in Handling and Storing  
STORE AWAY FROM SUN LIGHT AND EXCESSIVE HEAT

Other Precautions  
NONE KNOWN

**SECTION VIII - Control Measures**

Respiratory Protection (Specify Type)  
NONE REQUIRED

Local Exhaust	Mechanical (General)	Ventilation		Other
		Special		
Protective Gloves		Eye Protection		NOT REQUIRED
NONE REQUIRED		NOT REQUIRED		

Other Protective Clothing or Equipment  
NONE KNOWN

Work / Hygienic Practices  
NONE KNOWN

WHILE THE INFORMATION AND RECOMMENDATIONS SET FORTH HEREIN ARE BELIEVED TO BE ACCURATE AS OF THE DATE HEREOF ULANO CORP. MAKES NO WARRANTY WITH RESPECT THERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON.