



MATERIAL SAFETY DATA SHEET

PRODUCT NAME



MATRIX DUAL CURE DIRECT FILM

SECTION I

Manufacturer's Name
ULANO CORPORATION

Address (Number, Street,)

110 THIRD AVENUE

(City, State, ZIP Code)

BROOKLYN, NY. 11217

Signature of Preparer (optional)

Emergency Telephone Number

CHEMTREC: (800)424-9300 or (703)527-3887

Telephone Number for Information

(718)237-4700 Fax#: (718)802-1119

Date Prepared

September 13, 2002

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	~15%	NON HAZARDOUS
POLYVINYL ACETATE	9003-20-7	NOT SET	NOT SET	60%	NON HAZARDOUS
TSRN 80100215-5001P	TRADE SECRET	NOT SET	NOT SET		NON HAZARDOUS
ACRYLIC ESTER	NOT ESTAB.	NOT SET	NOT SET	<10%	MILD IRRITANT

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 (H2O=1)

N.A.

Vapor Pressure (mm Hg.)

N.A.

Melting Point

~500°F

Vapor Density (AIR=1)

N.A.

Evaporation Rate (H2O=1)

N.A.

Solubility in Water

UNEXPOSED EMULSION DISPERSES COMPLETELY IN WATER

Appearance and Odor

BLUE GREEN COLORED EMULSION ON CLEAR POLYESTER

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)

N.A.

Flammable Limits

N.A.

LEL

N.A.

UEL

Extinguishing Media

WATER FOG, FOAM, CARBON DIOXIDE, DRY CHEMICAL OR HALOGENATED AGENTS

Special Fire Fighting Procedures

SELF CONTAINED BREATHING APPARATUS WITH FULL FACE PLATE AND PROTECTIVE CLOTHING.

Unusual Fire and Explosion Hazards

IF EXPOSED TO A FLAME, FILM WILL IGNITE AND CONTINUE TO BURN EVEN IF IGNITION SOURCE IS REMOVED.

SECTION V - Reactivity Data

Unstable

Stable

Stability

X

Conditions to Avoid

AVOID EXPOSURE TO SUN LIGHT AND UV RADIATION

Incompatibility (Material to Avoid)

NONE KNOWN

Hazardous Decomposition or Byproducts

NONE KNOWN

May Occur

Will Not Occur

Hazardous Polymerization

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
Health Hazards (<i>Acute and Chronic</i>) NONE KNOWN			
Carcinogenicity:	NTP? NO	IARC Monographs? NO	OSHA Regulated? NO
Signs and Symptoms of Exposure NONE KNOWN			
Medical Condition Generally Aggravated by Exposure NONE KNOWN			
Emergency and First Aid Procedures NONE KNOWN			

SECTION VII - Precautions for Safe Handling and Use

Steps to be taken in case Material is Released or Spilled NONE KNOWN
Waste Disposal Method MATERIAL MAY BE DISPOSED OF WITH OTHER NON HAZARDOUS SOLID WASTE.
Precautions to be Taken in Handling and Storing KEEP AWAY FROM HEAT, SUNLIGHT AND UV RADIATION
Other Precautions NONE KNOWN

SECTION VIII - Control Measures

Respiratory Protection (<i>Specify Type</i>) NONE REQUIRED			
<u>Ventilation</u>			
Local Exhaust	Mechanical (<i>General</i>)	Special	Other
			NONE
Protective Gloves NONE REQUIRED	Eye Protection NONE 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.