



# MATERIAL SAFETY DATA SHEET

PRODUCT NAME

**ULANO** TLX®, TLX/CL® EMULSION

## 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)622-5200 Fax# : (718)802-1119**  
Date Prepared  
**January 22, 2001**

## SECTION II - Ingredients/Identity Information

(Specific Chemical Identity; Common Name(s))

Ingredients	C.A.S. #	OSHA PEL	ACGIH TLV	Approx. Conc.	Hazard Type
TSRN 80100215-5008P	TRADE SECRET	NOT SET	NOT SET		MILD IRRITANT
POLYVINYL ALCOHOL	9002-89-5	NOT SET	NOT SET	<10%	NON HAZARDOUS
POLYVINYL ACETATE	9003-20-7	NOT SET	NOT SET	>10%	NON-HAZARDOUS
TSRN 80100215-5001P	TRADE SECRET	NOT SET	NOT SET		NON-HAZARDOUS
URETHANE ACRYLATE OLIGOMER	TRADE SECRET	NOT SET	NOT SET	<10%	MILD IRRITANT
WATER	7732-18-5				

**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 <b>N.A.</b>	Specific Gravity (H <sub>2</sub> O=1) <b>1.1</b>
Vapor Pressure (mm Hg.) <b>N.A.</b>	Melting Point <b>N.A.</b>
Vapor Density (AIR=1) <b>N.A.</b>	Evaporation Rate (H <sub>2</sub> O=1) <b>N.A.</b>
Solubility in Water <b>INFINITELY DISPERSIBLE IN WATER</b>	
Appearance and Odor <b>GREEN VISCOUS LIQUID</b>	

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used) <b>N.A.</b>	Flammable Limits <b>N.A.</b>	LEL <b>N.A.</b>	UEL <b>N.A.</b>
Extinguishing Media <b>NON-FLAMMABLE</b>			
Special Fire Fighting Procedures <b>TREAT SURROUNDING FIRE</b>			
Unusual Fire and Explosion Hazards <b>NONE KNOWN</b>			

## SECTION V - Reactivity Data

Stability	Unstable	Stable	<b>X</b>
Conditions to Avoid <b>UV RADIATION, HEAT, SUNLIGHT</b>			
Incompatibility (Material to Avoid) <b>OXIDIZERS</b>			
Hazardous Decomposition or Byproducts <b>CARBON MONOXIDE, CARBON DIOXIDE, FORMIC ACID.</b>			
Hazardous Polymerization	May Occur	Will Not Occur	<b>X</b>
Conditions to Avoid <b>HEAT, UV RADIATION, SUNLIGHT</b>			
HMIS	Health [ 1 ]	Flammability [ 0 ]	Reactivity [ 0 ]
			Personal Protection [ A ]

## SECTION VI - Health Hazard Data

Route(s) of Entry	Inhalation?	Skin?	Ingestion?
	<b>NO</b>	<b>YES</b>	<b>NO</b>

Health Hazards (*Acute and Chronic*)

**EYE AND SKIN IRRITANT. CAN CAUSE IRREVERSIBLE DAMAGE TO EYES OR SKIN ON PROLONGED CONTACT. CAN INDUCE ALLERGIC OR SENSITIZATION REACTION.**

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	<b>NO</b>	<b>NO</b>	<b>NO</b>

Signs and Symptoms of Exposure

**REDDENING OF SKIN OR BURNING SENSATION IN EYES**

Medical Condition Generally Aggravated by Exposure

**ALLERGIES, ECZEMA OR SKIN CONDITIONS**

Emergency and First Aid Procedures

**EYES: FLUSH WITH LARGE QUANTITIES OF WATER, CONSULT A PHYSICIAN. SKIN: WASH EXPOSED AREA WITH SOAP AND WATER. IF IRRITATION OCCURS, CONTACT A PHYSICIAN.**

## SECTION VII - Precautions for Safe Handling and Use

Steps to be taken in case Material is Released or Spilled

**SMALL SPILLS MAY BE WASHED DOWN SEWER. LARGE SPILLS SHOULD BE ABSORBED ONTO SUITABLE MEDIA.**

Waste Disposal Method

**MEDIA SHOULD BE DISPOSED OF IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS.**

Precautions to be Taken in Handling and Storing

**KEEP AWAY FROM HEAT AND UV RADIATION.**

Other Precautions

**NONE KNOWN**

## SECTION VIII - Control Measures

Respiratory Protection (*Specify Type*)

**NONE REQUIRED IF ADEQUATE VENTILATION IS PROVIDED.**

### Ventilation

Local Exhaust	Mechanical ( <i>General</i> )	Special	Other
<b>RECOMMENDED</b>			

Protective Gloves

**YES**

Eye Protection

**NIOSH APPROVED SAFETY GLASSES OR GOGGLES**

Other Protective Clothing or Equipment

**PROTECTIVE APRON**

Work / Hygienic Practices

**WASH HANDS PROMPTLY AFTER HANDLING MATERIAL.**

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.





# MATERIAL SAFETY DATA SHEET

PRODUCT NAME

**ULANO® DIAZO C SENSITIZER POWDER**

## 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**

Telephone Number for Information

**(718)622-5200 Fax# (718)802-1119**

Date Prepared

**MARCH 1, 1999**

## SECTION II - Ingredients/Identity Information

(Specific Chemical Identity; Common Name(s))

Ingredients	C.A.S. #	OSHA PEL	ACGIH TLV	Approx. Conc.	Hazard Type
<b>BENZENEDIAZONIUM,4(PHENYLAMINO)</b>	<b>41432-19-3</b>	<b>15mg/m<sup>3</sup></b>	<b>15mg/m<sup>3</sup></b>	<b>Total Dust</b>	<b>Irritant</b>
<b>SULFATE 1:1 POLYMER WITH FORMALDEHYDE</b>		<b>5mg/m<sup>3</sup></b>	<b>5mg/m<sup>3</sup></b>	<b>Respirable Dust</b>	

**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

**SLOW DECOMPOSITION AT 244°F**

Specific Gravity (H<sub>2</sub>O=1)

**N.A.**

Vapor Pressure (mm Hg.)

**N.A.**

Melting Point

**N.A.**

Vapor Density (AIR=1)

**N.A.**

Evaporation Rate (H<sub>2</sub>O=1)

**N.A.**

Solubility in Water

**SOLUBLE**

Appearance and Odor

**YELLOW POWDER**

## 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

**CARBON DIOXIDE OR DRY CHEMICAL**

Special Fire Fighting Procedures

**FIRE FIGHTERS SHOULD WEAR SELF-CONTAINED, AIR BREATHING APPARATUS**

Unusual Fire and Explosion Hazards

**UNDER FIRE CONDITIONS, OXIDES OF CARBON, NITROGEN AND SULFUR WILL BE LIBERATED**

## SECTION V - Reactivity Data

Unstable

Stable

Stability

**X**

Conditions to Avoid

**IGNITION SOURCES, TEMPERATURES ABOVE 95°F AND ACTINIC LIGHT. DECOMPOSITION DOES NOT RESULT IN A HAZARDOUS CONDITION, ONLY EFFECTIVENESS DECREASES.**

Incompatibility (Material to Avoid)

**STRONG OXIDIZERS**

Hazardous Decomposition or Byproducts

**OXIDES OF CARBON, NITROGEN AND SULFUR DECOMPOSES AT 356°F**

May Occur

Will Not Occur

Hazardous Polymerization

**X**

Conditions to Avoid

**STRONG OXIDIZERS**

HMIS

Health [ 2 ]

Flammability [ 3 ]

Reactivity [ 1 ]

Personal Protection [ C ]

**SECTION VI - Health Hazard Data**

Route(s) of Entry	Inhalation?	Skin?	Ingestion?
	<b>X</b>	<b>X</b>	<b>X</b>

Health Hazards (*Acute and Chronic*)

**SKIN: MAY CAUSE SLIGHT IRRITATION WITH PROLONGED CONTACT. EYES: CORROSIVE TO EYES, MAY CAUSE SEVERE IRRITATION. INHALATION: MAY CAUSE IRRITATION OF MOUTH, THROAT AND RESPIRATORY TRACT. INGESTION: MAY BE HARMFUL IF INGESTED. INGESTION MAY CAUSE IRRITATION OF MOUTH, THROAT AND GI TRACT.**

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	<b>NO</b>	<b>NO</b>	<b>NO</b>

Signs and Symptoms of Exposure

**IRRITATION OF EYES, OR MOUTH**

Medical Condition Generally Aggravated by Exposure

**NONE KNOWN**

Emergency and First Aid Procedures

**EYES AND SKIN: WASH EFFECTED AREAS WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IF IRRITATION OCCURS**

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

Steps to be taken in case Material is Released or Spilled

**WASH DOWN WITH WATER**

Waste Disposal Method

**DISPOSE OF IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS**

Precautions to be Taken in Handling and Storing

**STORE IN A COOL DRY AREA**

Other Precautions

**MIX UNDER YELLOW OR SUBDUED LIGHT****SECTION VIII - Control Measures**Respiratory Protection (*Specify Type*)**NIOSH APPROVED DUST MASK IF USING LARGE QUANTITIES****Ventilation**

Local Exhaust	Mechanical ( <i>General</i> )	Special	Other
	<b>X</b>		

Protective Gloves

**PLASTIC GLOVES**

Eye Protection

**NIOSH APPROVED GOGGLES**

Other Protective Clothing or Equipment

**PROTECTIVE APRON**

Work / Hygienic Practices

**WASH HANDS AFTER HANDLING MATERIAL**



# MATERIAL SAFETY DATA SHEET

PRODUCT NAME

**ULANO® COLOR ADDITIVE FOR TLX/CL® EMULSION**

## SECTION I

Manufacturer's Name

**ULANO CORPORATION**

Emergency Telephone Number

**CHEMTREC (800)424-9300**

Address (Number, Street,)

**110 THIRD AVENUE**

Telephone Number for Information

**(718)622-5200 Fax# (718)802-1119**

(City, State, ZIP Code)

**BROOKLYN, NY. 11217**

Date Prepared

**MARCH 1, 1999**

Signature of Preparer (optional)

## SECTION II - Ingredients/Identity Information

(Specific Chemical Identity; Common Name(s))

Ingredients	C.A.S. #	OSHA PEL	ACGIH TLV	Approx. Conc.	Hazard Type
<b>PHTHALO GREEN PIGMENT</b>	<b>1328-53-6</b>	<b>NOT SET</b>	<b>NOT SET</b>	<b>16%</b>	<b>IRRITANT</b>
<b>PROPYLENE GLYCOL</b>	<b>57-55-6</b>	<b>NOT SET</b>	<b>NOT SET</b>	<b>9%</b>	<b>NON HAZARDOUS</b>
<b>WATER</b>	<b>7732-18-5</b>				

**THIS PRODUCT CONTAINS APPROXIMATELY 0.7% COPPER WHICH IS REPORTABLE UNDER THE PROVISIONS OF SARA TITLE, III SECTION 302.4**

**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

**212+°F**

Specific Gravity (H<sub>2</sub>O=1)

**APPROX. 1**

Vapor Pressure (mm Hg.)

**N.A.**

Melting Point

**N.A.**

Vapor Density (AIR=1)

**N.A.**

Evaporation Rate (H<sub>2</sub>O=1)

**APPROX. 1**

Solubility in Water

**DISPERSIBLE**

Appearance and Odor

**GREEN LIQUID**

## 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, ALCOHOL FOAM, CARBON DIOXIDE, DRY CHEMICAL**

Special Fire Fighting Procedures

**DO NOT USE WATER EXCEPT AS FOAM**

Unusual Fire and Explosion Hazards

**KEEP AWAY FROM EXCESSIVE HEAT OR OPEN FLAMES**

## SECTION V - Reactivity Data

Unstable

Stable

Stability

**X**

Conditions to Avoid

**NONE KNOWN**

Incompatibility (Material to Avoid)

**NONE KNOWN**

Hazardous Decomposition or Byproducts

**CARBON DIOXIDE AND POSSIBLY CARBON DIOXIDE**

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?	Skin?	Ingestion?
	<b>NO</b>	<b>YES</b>	<b>NO</b>

Health Hazards (*Acute and Chronic*)**EXCESS EXPOSURE CAN CAUSE IRRITATION TO SKIN AND EYES**

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	<b>NO</b>	<b>NO</b>	<b>NO</b>

Signs and Symptoms of Exposure

**REDNESS OF SKIN, BURNING OF EYES**

Medical Condition Generally Aggravated by Exposure

**ALLERGIES, SKIN CONDITIONS**

Emergency and First Aid Procedures

**EYES: FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES, CONTACT A PHYSICIAN.****SKIN: WASH EXPOSED AREAS WITH SOAP AND WATER. IF IRRITATION DEVELOPS, CONTACT A PHYSICIAN.****SECTION VII - Precautions for Safe Handling and Use**

Steps to be taken in case Material is Released or Spilled

**SMALL SPILLS CAN BE WASHED DOWN SEWER. LARGE SPILLS SHOULD BE ABSORBED ONTO SUITABLE MEDIA.**

Waste Disposal Method

**DISPOSE OF MEDIA IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS.**

Precautions to be Taken in Handling and Storing

**NONE KNOWN**

Other Precautions

**AVOID EXCESSIVE CONTACT****SECTION VIII - Control Measures**Respiratory Protection (*Specify Type*)**NONE****Ventilation**

Local Exhaust

Mechanical (*General*)

Special

Other

**NONE**

Protective Gloves

**YES**

Eye Protection

**NIOSH APPROVED SAFETY GLASSES**

Other Protective Clothing or Equipment

**PROTECTIVE APRON**

Work / Hygienic Practices

**WASH HANDS THOROUGHLY AFTER USING MATERIAL**