



# MATERIAL SAFETY DATA SHEET

PRODUCT NAME

**ULANO**  
**FX88-SR 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)237-4700 Fax#: (718)802-1119**  
Date Prepared  
**MAY 1, 2004**

## SECTION II - Ingredients/Identity Information

(Specific Chemical Identity; Common Name(s))

Ingredients	C.A.S. #	OSHA PEL	ACGIH TLV	Approx. Conc.	Hazard Type
<b>WATER</b>					
<b>POLYVINYL ALCOHOL</b>	<b>9002-89-5</b>	<b>NOT SET</b>	<b>NOT SET</b>	<b>&lt;10%</b>	<b>NON HAZARDOUS</b>
<b>TSRN 80100215-5002P</b>	<b>TRADE SECRET</b>	<b>NOT SET</b>	<b>NOT SET</b>		<b>NON HAZARDOUS</b>
<b>TSRN 80100215-5001P</b>	<b>TRADE SECRET</b>	<b>NOT SET</b>	<b>NOT SET</b>		<b>NON HAZARDOUS</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 <b>212+°F</b>	Specific Gravity (H <sub>2</sub> O=1) <b>1.05-1.08</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>APPROX. 1</b>
Solubility in Water <b>DILUTABLE</b>	
Appearance and Odor <b>WHITE 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>AFTER SENSITIZING, EXPOSURE TO LIGHT WILL CAUSE THICKENING</b>			
Incompatibility (Material to Avoid) <b>NONE KNOWN</b>			
Hazardous Decomposition or Byproducts <b>NONE KNOWN</b>			
Hazardous Polymerization	May Occur	Will Not Occur	<b>X</b>
Conditions to Avoid <b>NONE KNOWN</b>			

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

## SECTION VI - Health Hazard Data

Route(s) of Entry	Inhalation?	Skin?	Ingestion?
	NO	NO	NO

Health Hazards (*Acute and Chronic*)  
**NONE KNOWN**

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	NO	NO	NO

Signs and Symptoms of Exposure  
**NONE KNOWN**

Medical Condition Generally Aggravated by Exposure  
**NONE KNOWN**

Emergency and First Aid Procedures

**EYES: FLUSH WITH WATER FOR AT LEAST 15 MINUTES. CALL 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

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

Precautions to be Taken in Handling and Storing

**NONE KNOWN**

Other Precautions

**NONE KNOWN**

## SECTION VIII - Control Measures

Respiratory Protection (*Specify Type*)

**NONE**

### Ventilation

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

Protective Gloves

**NONE**

Eye Protection

**NONE**

Other Protective Clothing or Equipment

**APRON TO AVOID STAINING CLOTHING**

Work / Hygienic Practices

**NONE**

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

**DIAZO C SENSITIZER POWDER**

## SECTION I

Manufacturer's Name  
**ULANO CORPORATION**  
Address (Number, Street,  
**255 BUTLER ST.**  
(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  
**MAY 1, 2004**

## 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</b>		<b>5mg/m<sup>3</sup></b>	<b>5mg/m<sup>3</sup></b>	<b>Respirable Dust</b>	
<b>FORMALDEHYDE</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 <b>SLOW DECOMPOSITION AT 244°F</b>	Specific Gravity (H <sub>2</sub> O=1) <b>N.A.</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>SOLUBLE</b>	
Appearance and Odor <b>YELLOW POWDER</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>CARBON DIOXIDE OR DRY CHEMICAL</b>			
Special Fire Fighting Procedures <b>FIRE FIGHTERS SHOULD WEAR SELF-CONTAINED, AIR BREATHING APPARATUS</b>			
Unusual Fire and Explosion Hazards <b>UNDER FIRE CONDITIONS, OXIDES OF CARBON, NITROGEN AND SULFUR WILL BE LIBERATED</b>			

## SECTION V - Reactivity Data

Stability	Unstable	Stable		
Stability	<b>X</b>			
Conditions to Avoid <b>IGNITION SOURCES, TEMPERATURES ABOVE 95°F AND ACTINIC LIGHT. DECOMPOSITION DOES NOT RESULT IN A HAZARDOUS CONDITION, ONLY EFFECTIVENESS DECREASES.</b>				
Incompatibility (Material to Avoid) <b>STRONG OXIDIZERS</b>				
Hazardous Decomposition or Byproducts <b>OXIDES OF CARBON, NITROGEN AND SULFUR DECOMPOSES AT 356°F</b>				
Hazardous Polymerization	May Occur	Will Not Occur		
Hazardous Polymerization		<b>X</b>		
Conditions to Avoid <b>STRONG OXIDIZERS</b>				
HMIS	Health [ 2 ]	Flammability [ 3 ]	Reactivity [ 1 ]	Personal Protection [ C ]

## SECTION VI - Health Hazard Data

Route(s) of Entry	Inhalation? <b>X</b>	Skin? <b>X</b>	Ingestion? <b>X</b>
Health Hazards ( <i>Acute and Chronic</i> )	<b>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.</b>		
Carcinogenicity:	NTP? <b>NO</b>	IARC Monographs? <b>NO</b>	OSHA Regulated? <b>NO</b>
Signs and Symptoms of Exposure	<b>IRRITATION OF EYES, OR MOUTH</b>		
Medical Condition Generally Aggravated by Exposure	<b>NONE KNOWN</b>		

### 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		Eye Protection	
<b>PLASTIC GLOVES</b>		<b>NIOSH APPROVED GOGGLES</b>	

### Other Protective Clothing or Equipment

**PROTECTIVE APRON**

### Work / Hygienic Practices

**WASH HANDS 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**<sup>®</sup> **FX88SR COLOR ADDITIVE**

## SECTION I

Manufacturer's Name

**ULANO CORPORATION**

Address (Number, Street,)

**255 BUTLER ST.**

(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

**MAY 1, 2004**

## 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 BLUE</b>	<b>147-14-8</b>	<b>NOT SET</b>	<b>NOT SET</b>	<b>50%</b>	<b>NON HAZARDOUS</b>
<b>WATER</b>				<b>50%</b>	

**PHTHALO BLUE DYE CONTAINS 3.4% COPPER WHICH IS REPORTABLE IN ACCORDANCE WITH SARA TITLE III, SECTION 313**

**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

**ODORLESS, BLUE 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

**NON-FLAMMABLE**

Special Fire Fighting Procedures

**TREAT SURROUNDING FIRE**

Unusual Fire and Explosion Hazards

**NONE KNOWN**

## SECTION V - Reactivity Data

Unstable

Stable

Stability

**X**

Conditions to Avoid

**NONE KNOWN**

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?	Skin?	Ingestion?
	NO	YES	NO

Health Hazards (*Acute and Chronic*)

**MAY CAUSE IRRITATION TO SKIN AND EYES.**

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	NO	NO	NO

Signs and Symptoms of Exposure

**REDNESS OF SKIN OR BURNING SENSATION OF EYES.**

Medical Condition Generally Aggravated by Exposure

**NONE KNOWN**

Emergency and First Aid Procedures

**EYES: FLUSH WITH LARGE QUANTITIES FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN. SKIN: WASH AREA WITH SOAP AND WATER. IF IRRITATION DEVELOPS, CALL A PHYSICIAN.**

## SECTION VII - Precautions for Safe Handling and Use

Steps to be taken in case Material is Released or Spilled

**WIPE UP WITH RAGS. WASH DOWN AREA WITH WATER.**

Waste Disposal Method

**DISPOSE OF RAGS 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

**PLASTIC GLOVES**

Eye Protection

**NIOSH APPROVED SAFETY GLASSES**

Other Protective Clothing or Equipment

**PROTECTIVE APRON**

Work / Hygienic Practices

**WASH HAND AFTER USING 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.