



MATERIAL SAFETY DATA SHEET

PRODUCT NAME



LX680® EMULSION

SECTION I

Manufacturer's Name ULANO CORPORATION	Emergency Telephone Number CHEMTREC: (800)424-9300 or (703)527-3887
Address (Number, Street) 110 THIRD AVENUE	Telephone Number for Information (718) 237-4700, Fax#: (718) 802-1119
Address (City, State, ZIP Code) BROOKLYN, NY 11217	Date Prepared April 3, 2004
Signature of Preparer (optional)	

SECTION II: INGREDIENTS/IDENTITY INFORMATION

Ingredients (Specific Chemical Identity; Common Name(s))	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
ACRYLATE OLIGOMER	NOT ESTAB.	NOT SET	NOT SET	<10%	MILD IRRITANT
WATER					

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 ~212°F	Specific Gravity (H ₂ O = 1) 1.1
Vapor Pressure (mm Hg.) 23.3 mbar	Melting Point N.A.
Vapor Density (AIR=1) N.A.	Evaporation Rate (H ₂ O = 1) N.A.
Solubility in Water INFINITELY DISPERSIBLE IN WATER	
Appearance and Odor VISCOUS LIQUID COLORED BLUE	

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

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

SECTION VI: HEALTH HAZARD DATA

Route(s) of Entry	Inhalation? NO	Skin? YES	Ingestion? NO
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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? NO	IARC Monographs? NO	OSHA Regulated? NO
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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 MEASURESRespiratory Protection (*Specify Type*)

NONE REQUIRED IF ADEQUATE VENTILATION IS PROVIDED.

Ventilation	Local Exhaust	Mechanical (<i>General</i>) X	Special	Other
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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, THE ULANO CORPORATION 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	Emergency Telephone Number CHEMTREC: (800)424-9300 or (703)527-3887
Address (Number, Street) 110 THIRD AVENUE	Telephone Number for Information (718) 237-4700, Fax#: (718) 802-1119
(City, State, ZIP Code) BROOKLYN, NY 11217	Date Prepared MAY 1, 2004
Signature of Preparer (optional)	

SECTION II: INGREDIENTS/IDENTITY INFORMATION

Ingredients (Specific Chemical Identity; Common Name(s))	C.A.S. #	OSHA PEL	ACGIH TLV	Approx. Conc.	Hazard Type
BENZENEDIAZONIUM, 4(PHENYLAMINO) SULFATE, 1:1 POLYMER WITH FORMALDEHYDE	41432-19-3	10 mg/m³	10 mg/m³	100%	IRRITANT
(COMPOUND ALSO LISTED AS 4-DIAZODIPHENYLAMINE SULFATE, FORMALDEHYDE POLYMER)					
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 ₂ O = 1) N.A.
Vapor Pressure (mm Hg) N.A.	Melting Point N.A.
Vapor Density (Air = 1) N.A.	Evaporation Rate (H ₂ 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 AS ALWAYS, FIRE FIGHTERS SHOULD WEAR SELF-CONTAINED, SUPPLIED-AIR BREATHING APPARATUS			
Unusual Fire and Explosion Hazards UNDER FIRE CONDITIONS, OXIDES OF CARBON, NITROGEN AND SULFUR WILL BE LIBERATED			

SECTION V: REACTIVITY DATA

Stability	Unstable	Stable		
	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				
Hazardous Polymerization	May Occur	Will Not Occur		
		X		
Conditions to Avoid STRONG OXIDIZERS				
Hazardous Materials Identification Scheme (HMIS)	Health	Flammability	Reactivity	Personal Protection
	2	3	1	C

SECTION VI: HEALTH HAZARD DATA

Route(s) of Entry	Inhalation? X	Skin? X	Ingestion? X
Health Hazards (<i>Acute and Chronic</i>) 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? NO	IARC Monographs? NO	OSHA Regulated? NO
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 DUST CONCENTRATIONS EXCEEDS EXPOSURE LIMITS

Ventilation	Local Exhaust	Mechanical (<i>General</i>) X	Special	Other
Protective Gloves PLASTIC GLOVES	Eye Protection NIOSH APPROVED GOGGLES			

Other Protective Clothing or Equipment

PROTECTIVE APRON

Work / Hygienic Practices

WASH HANDS AFTER HANDLING MATERIAL