



MATERIAL SAFETY DATA SHEET

PRODUCT NAME



TZ, TZ/CL, TZ/HY-200B EMULSIONS

SECTION I

Manufacturer's Name
ULANO CORPORATION
 Address (Number, Street,
110 THIRD AVE.
 (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
MAY 1, 2000

SECTION II - Ingredients/Identity Information

(Specific Chemical Identity; Common Name(s))

Ingredients	C.A.S. #	OSHA PEL	ACGIH TLV	Approx. Conc.	Hazard Type
WATER	7732-18-5			>40%	
POLYVINYL ACETATE	9003-20-7	NOT SET	NOT SET	>40%%	NON HAZARDOUS
POLYVINYL ALCOHOL	9002-89-5	NOT SET	NOT SET	<10%	NON HAZARDOUS
TSRN 80100215-5000P	TRADE SECRET				NON HAZARDOUS

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) 1.05-1.08
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 DILUTABLE	
Appearance and Odor ODORLESS, VISCOUS LIQUID. TZ = BLUE, TZ/CL & TZ/HY-200B = WHITE	

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 AFTER SENSITIZING, EXPOSURE TO LIGHT WILL CAUSE THICKENING.		
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?	Skin?	Ingestion?
	NO	NO	NO

Health Hazards (*Acute and Chronic*)

PROLONGED EXPOSURE MAY CAUSE SKIN IRRITATION

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

Signs and Symptoms of Exposure

PROLONGED EXPOSURE MAY CAUSE SKIN IRRITATION

Medical Condition Generally Aggravated by Exposure

NONE KNOWN

Emergency and First Aid Procedures

YES: FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES, CALL A PHYSICIAN.

SKIN: WASH EXPOSED AREA WITH SOAP AND WATER. IF IRRITATION OCCURS, SEE 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 RINSED DOWN DRAIN. 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

AVOID FREEZING

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

PROTECTIVE APRON TO AVOID STAINING CLOTHING.

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



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

Date Prepared

MAY 1, 2000

SECTION II - Ingredients/Identity Information

(Specific Chemical Identity; Common Name(s))

Ingredients	C.A.S. #	OSHA PEL	ACGIH TLV	Approx. Conc.	Hazard Type
BENZENEDIAZONIUM,4(PHENYLAMINO)	41432-19-3	15mg/m³	15mg/m³	Total Dust	IRRITANT
SULFATE 1:1 POLYMER WITH		5mg/m³	5mg/m³	Respirable Dust	
FORMALDEHYDE					

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SECTION III - Physical/Chemical Characteristics

Boiling Point	Specific Gravity (H ₂ O=1)
SLOW DECOMPOSITION AT 244°F	N.A.
Vapor Pressure (mm Hg.)	Melting Point
N.A.	N.A.
Vapor Density (AIR=1)	Evaporation Rate (H ₂ O=1)
N.A.	N.A.
Solubility in Water	
SOLUBLE	
Appearance and Odor	
YELLOW POWDER	

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Flammable Limits	LEL	UEL
N.A.	N.A.	N.A.	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

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				
HMIS	Health [2]	Flammability [3]	Reactivity [1]	Personal Protection [C]

SECTION VI - Health Hazard Data

Route(s) of Entry	Inhalation?	Skin?	Ingestion?
	X	X	X

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?
	NO	NO	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 USING LARGE QUANTITIES

Ventilation

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

Protective Gloves

PLASTIC GLOVES

Eye Protection

NIOSH APPROVED GOGGLES

Other Protective Clothing or Equipment

PROTECTIVE APRON

Work / Hygienic Practices

WASH HANDS AFTER HANDLING MATERIAL

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MATERIAL SAFETY DATA SHEET

PRODUCT NAME



COLOR ADDITIVE FOR TZ/CL, TZ/HY-200B

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)622-5200 Fax#: (718)802-1119
Date Prepared
MAY 1, 2000

SECTION II - Ingredients/Identity Information

(Specific Chemical Identity; Common Name(s))

Ingredients	C.A.S. #	OSHA PEL	ACGIH TLV	Approx. Conc.	Hazard Type
PHTHALO BLUE	147-14-8	NOT SET	NOT SET	16%	IRRITANT
PROPYLENE GLYCOL	57-55-6	NOT SET	NOT SET	6%	NON HAZARDOUS
WATER	7723-18-5			~78%	
PHTHALO BLUE CONTAINS 3.4% COPPER WHICH IS REPORTABLE UNDER SARA TITLE III, SECTION 313.					

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SECTION III - Physical/Chemical Characteristics

Boiling Point N.A.	Specific Gravity (H ₂ O=1) APPROX. 1
Vapor Pressure (mm Hg.) N.A.	Melting Point N.A.
Vapor Density (AIR=1) N.A.	Evaporation Rate (H ₂ O=1) 1
Solubility in Water DISPERSIBLE	
Appearance and Odor 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

Stability	Unstable	Stable	X
Conditions to Avoid NONE KNOWN			
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 [C]

SECTION VI - Health Hazard Data

Route(s) of Entry	Inhalation? NO	Skin? YES	Ingestion? NO
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Health Hazards (*Acute and Chronic*)

MAY CAUSE IRRITATION TO SKIN OR EYES

Carcinogenicity:	NTP? NO	IARC Monographs? NO	OSHA Regulated? NO
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Signs and Symptoms of Exposure

REDNESS OF SKIN OR BURNING OF EYES

Medical Condition Generally Aggravated by Exposure

NONE KNOWN

Emergency and First Aid Procedures

WASH EFFECTED AREA WITH LARGE QUANTITIES OF WATER. CALL PHYSICIAN IF IRRITATION OCCURS

SECTION VII - Precautions for Safe Handling and Use

Steps to be taken in case Material is Released or Spilled

WASH SMALL AMOUNTS 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 N.A.	Mechanical (<i>General</i>) N.A.	Special N.A.	Other N.A.
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Protective Gloves

PLASTIC GLOVES

Eye Protection

NIOSH APPROVED GOGGLES

Other Protective Clothing or Equipment

PROTECTIVE APRON TO AVOID STAINING CLOTHES

Work / Hygienic Practices

NONE KNOWN

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