

* Ulano FotoCoat FX *

1-23-04

ULANO43313-1007
- 1009

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)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 | | | | | |
| POLYVINYL ALCOHOL | 9002-89-5 | NOT SET | NOT SET | <10% | NON HAZARDOUS |
| TSRN 80100215-5002P | TRADE SECRET | NOT SET | NOT SET | | NON HAZARDOUS |
| TSRN 80100215-5001P | TRADE SECRET | NOT SET | NOT SET | | 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 | Specific Gravity (H ₂ O=1) |
| 212+°F | 1.05-1.08 |
| Vapor Pressure (mm Hg.) | Melting Point |
| N.A. | N.A. |
| Vapor Density (AIR=1) | Evaporation Rate (H ₂ O=1) |
| N.A. | APPROX. 1 |
| Solubility in Water | |
| DILUTABLE | |
| Appearance and Odor | |
| WHITE VISCOUS LIQUID | |

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 | | | |
| 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 | | | | |
| 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] |

V-4330

SECTION VI - Health Hazard Data

| | | | |
|------------------------------------|-------------|-------|------------|
| Route(s) of Entry | Inhalation? | Skin? | Ingestion? |
| Health Hazards (Acute and Chronic) | NO | NO | NO |
| NONE KNOWN | | | |

| | | | |
|--------------------------------|------|------------------|-----------------|
| Carcinogenicity: | NTP? | IARC Monographs? | OSHA Regulated? |
| Signs and Symptoms of Exposure | NO | NO | NO |
| 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 (General) | Special | Other |
| | X | | |
| Protective Gloves | Eye Protection | | |
| NONE | 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)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/m ³ | 15mg/m ³ | Total Dust | Irritant |
| SULFATE 1:1 POLYMER WITH | | 5mg/m ³ | 5mg/m ³ | Respirable Dust | |
| FORMALDEHYDE | | | | | |

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 | 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

| | | | | |
|---------------|-------------------------------|--------------------|--|-------|
| Local Exhaust | Mechanical (<i>General</i>) | <u>Ventilation</u> | | Other |
| | X | Special | | |

| | |
|-----------------------|-------------------------------|
| Protective Gloves | Eye Protection |
| PLASTIC GLOVES | NIOSH APPROVED GOGGLES |

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



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)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 | 50% | NON HAZARDOUS |
| WATER | | | | 50% | |

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 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) APPROX. 1 |
| Solubility in Water DISPERSIBLE | |
| Appearance and Odor ODORLESS, BLUE LIQUID | |

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 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.