



MATERIAL SAFETY DATA SHEET

PRODUCT NAME



LX690® 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 |
|--|---------------------|----------------|----------------|----------------|----------------------|
| WATER | 7732-18-5 | NOT SET | NOT SET | ~50% | NON HAZARDOUS |
| POLYVINYL ACETATE | 9003-20-7 | NOT SET | NOT SET | >10% | NON-HAZARDOUS |
| POLYVINYL ALCOHOL | 25213-24-5 | NOT SET | NOT SET | <10% | NON HAZARDOUS |
| TSRN 80100215-5001P | TRADE SECRET | NOT SET | NOT SET | <20% | MILD IRRITANT |
| ACRYLATE OLIGOMER | TRADE SECRET | NOT SET | NOT SET | <20% | MILD IRRITANT |

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) 1.07 |
| 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 RED. | |

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. TRACES OF NITROGEN AND SULPHUR OXIDES | | | | |
| 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 |
|-------------------|--------------------------|---------------------|-------------------------|

Health Hazards (*Acute and Chronic*)
May cause sensitization of skin on contact. Irritating to eyes and skin. May cause irritation of the mucous membranes.

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

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>) X | Special | Other |
|-------------|---------------|---|---------|-------|

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, Fa#:x (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