



MATERIAL SAFETY DATA SHEET

PRODUCT NAME



CDF DIRECT FILM (ALL THICKNESSES)

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 August 24, 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 |
|--|---------------------|---------------------------|---------------------------|----------------|----------------------|
| POLYVINYL ALCOHOL | 9002-89-5 | NOT SET | NOT SET | >10% | NON HAZARDOUS |
| POLYVINYL ACETATE | 9003-20-7 | NOT SET | NOT SET | >30% | NON HAZARDOUS |
| BENZENEDIAZOINIUM, 4(PHENYLAMINO) | 41432-19-3 | 15mg/m³ | 15mg/m³ | >1% | PNOC (ACGIH) |
| SULFATE 1:1 POLYMER WITH FORMALDEHYDE | | | | | |
| TSRN 80100215-5000P | 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 N.A. | Specific Gravity (H ₂ O=1) N.A. |
| Vapor Pressure (mm Hg) N.A. | Melting Point ~500°F |
| Vapor Density (AIR=1) N.A. | Evaporation Rate (H ₂ O=1) N.A. |
| Solubility in Water UNEXPOSED EMULSION DISPERSES COMPLETELY IN WATER | |
| Appearance and Odor GREEN EMULSION ON CLEAR POLYESTER FILM | |

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 WATER FOG, FOAM, CARBON DIOXIDE, DRY CHEMICAL OR HALOGENATED AGENTS | | | |
| Special Fire Fighting Procedures WEAR SELF CONTAINED BREATHING APPARATUS. | | | |
| Unusual Fire and Explosion Hazards IF EXPOSED TO A FLAME, FILM WILL IGNITE AND CONTINUE TO BURN EVEN IF IGNITION SOURCE IS REMOVED. | | | |

SECTION V - Reactivity Data

| | | |
|---|-----------|----------------|
| Stability | Unstable | Stable |
| | | X |
| Conditions to Avoid AVOID EXPOSURE TO SUN LIGHT AND UV RADIATION. | | |
| 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*)
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
NO KNOWN REQUIREMENTS

SECTION VII - Precautions for Safe Handling and Use

Steps to be taken in case Material is Released or Spilled
NO KNOWN SPECIAL REQUIREMENTS

Waste Disposal Method
NO KNOWN SPECIAL REQUIREMENTS

Precautions to be Taken in Handling and Storing
STORE AWAY FROM SUN LIGHT AND EXCESSIVE HEAT

Other Precautions
NONE KNOWN

SECTION VIII - Control Measures

Respiratory Protection (*Specify Type*)
NONE REQUIRED

Ventilation

| | | | |
|---------------|-------------------------------|---------|---------------------|
| Local Exhaust | Mechanical (<i>General</i>) | Special | Other |
| | | | NOT REQUIRED |

| | |
|----------------------|---------------------|
| Protective Gloves | Eye Protection |
| NONE REQUIRED | NOT REQUIRED |

Other Protective Clothing or Equipment
NONE KNOWN

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.