

## MATERIAL SAFETY DATA SHEET

### 11000 SERIES PRINTING BASE

#### ===== SECTION I

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**DATE PREPARED:** NOVEMBER 15th, 2004  
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**REASON REVISED:** UPDATE

#### ===== SECTION 2 – HAZARDOUS INGREDIENTS/IDENTITY

| HAZARDOUS COMPONENTS      | CAS #    | OSHA-PEL | ACGIH-TLV | MFR-TLV | VAPOR PRESSURE<br>Mm Hg@TEMP | WEIGHT % |
|---------------------------|----------|----------|-----------|---------|------------------------------|----------|
| MONOMETHYL ETHER ACETATE  | 108-65-6 | N/E      | N/E       |         | 3.7 68F                      | 55       |
| ETHYLENE GLYCOL DIACETATE | 111-55-7 | N/E      | N/E       |         | 0.2 68F                      | 15       |

#### === SECTION 3 – PHYSICAL & CHEMICAL CHARACTERISTICS

**Boiling Point:** 302-369 DEG F  
**Evaporation Rate:** FASTER THAN ETHER  
**Solubility in Water :** Insoluble  
**Appearance & odor:** CLEAR/PALE YELLOW LIQUID W/SWEET, ETHER-LIKE ODOR.  
**Coating V. O. C.:** .774 grams/liter  
**Specific Gravity (H2O=1):** 1.1  
**Vapor Density (Air = 1)** LIGHTER THAN AIR

#### === SECTION 4 – FIRE & EXPLOSION DATA

**Flash Point:** 114 Deg F  
**Method Used:** TCC  
**Flammable Limits in Air** LEL- 1.3% UEL- 13.1%  
**% by Volume:**  
**Extinguisher Media:** FOAM, CO2, ALCOHOL FOAM, DRY CHEMICAL, WATER FOG  
**Special Fire:** WEAR SELF-CONTAINED BREATHING APPARATUS AND  
**Fighting Procedures:** PROTECTIVE CLOTHING TO PROTECT AGAINST HAZARDOUS EFFECTS OF NORMAL COMBUSTION.  
**Unusual Fire & Explosion Hazards:** COMBUSTIBLE!! KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM STRONG OXIDIZERS, HEAT, SPARKS AND OPEN FLAME. CLOSED CONTAINERS MAY EXPLODE IF EXPOSED TO EXTREME HEAT. USE WATER-SPRAY TO KEEP FIRE EXPOSED CONTAINERS COOL.

#### HMIS RATING

HEALTH 1  
FLAMMABILITY 2  
REACTIVITY 0  
PERSONAL PROTECTION E

#### ===== SECTION 5 – PHYSICAL HAZARDS (REACTIVITY DATA)

**Stability:** Stable under normal conditions.  
**Incompatibility (Materials to Avoid):** ISOLATE FROM STRONG OXIDIZERS.

**Hazardous Decomposition Products:** By high heat and fire: carbon dioxide, carbon monoxide, oxides of nitrogen, HCN, HDI and other undetermined aliphatic fragments.

**Hazardous Polymerization:** WILL NOT OCCUR.

=====**SECTION 6 – HEALTH HAZARD**

- 1. **ACUTE:** NONE KNOWN
- 2. **CHRONIC:** NONE KNOWN

Signs & Symptoms of long exposure: PROLONGED EXPOSURE MAY CAUSE SLIGHT IRRITATION TO RESPIRATORY TRACT. MAY CAUSE SLIGHT IRRITATIONS TO SKIN AND EYES. EXTREME SKIN ABSORPTION EXPOSURE MAY CAUSE SLIGHT IRRITATION. NOT EXPECTED TO BE ACUTELY TOXIC BY INGESTION.

Medical Conditions Generally Aggravated by Exposure: EYES, SKIN & RESPIRATORY TRACT IRRITATIONS.

**CARCINOGENICITY: NTP? NO. IARC MONOGRAPHS? NO. OSHA? NO.**

**Emergency & First Aid Procedures:**

- 1. **Eye Contact:** IMMEDIATELY FLUSH EYES W/RUNNING WATER FOR AT LEAST 15 MINUTES WHILE HOLDING THE EYELIDS OPEN. IF IRRITATION PERSISTS, CALL A PHYSICIAN.
- 2. **Skin Contact:** WASH SKIN THOROUGHLY W/MILD SOAP & WATER. LAUNDER CONTAMINATED CLOTHING. IF IRRITATION PERSISTS, CALL A DOCTOR.
- 3. **Inhalation:** IF THERE ARE ACUTE OR CHRONIC SYMPTOMS, MOVE PERSON TO FRESH AIR, GIVE ARTIFICIAL RESPIRATION, SEEK MEDICAL CARE.
- 4. **Ingestion:** N/A

=====**SECTION 7 – SPECIAL PRECAUTIONS & SPILL/LEAK PROCEDURES**

**Precautions to be taken:** STORE & USE IN A WELL-VENTILATED AREA.

**In Handling & Storage:** DO NOT USE NEAR OPEN FLAME, SPARKS OR HOT SURFACES KEEP CONTAINERS TIGHTLY CLOSED.

**In case Material is Released or Spilled:** ELIMINATE OPEN FLAMES OR IGNITION IN THE VICINITY OF VAPOR. STOP SOURCE OF LEAK. ABSORB LARGE SPILLS W/ABSORBENT CLAY OR OTHER SUITABLE MATERIALS.

**Waste Disposal Methods:** PLACE CONTAMINATED MATERIALS IN DISPOSABLE CONTAINERS INCINERATE OBSERVING LOCAL, STATE, & FEDERAL HEALTH, SAFETY & POLLUTION LAWS. PREVENT RUNOFFS FROM ENTERING DRAINS, SEWERS, OR STREAMS.

=====**SECTION 8 – SPECIAL PROTECTION INFORMATION/CONTROL MEASURES**

**Respiratory Protection:** IF EXPOSURE MAY OR DOES EXCEED OCCUPATIONAL LIMITS, USE A NIOSH-APPROVED RESPIRATOR, OR AN ATMOSPHERE-SUPPLYING RESPIRATOR, OR AN AIR-PURIFYING RESPIRATOR FOR ORGANIC VAPORS.

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| <b>Ventilation:</b>                                | USE ADEQUATE VENTILATION TO KEEP AIRBORNE CONCENTRATION BELOW EXPOSURE STANDARDS.  |
| <b>Protective Gloves:</b>                          | USE NITRILE OR NEOPRENE GLOVES TO AVOID SKIN CONTACT USE CHEMICAL SAFETY GOGGLES.<br>LAUNDER CONTAMINATED CLOTHING BEFORE USE. |
| <b>Eye Protection:<br/>Practices:</b>              | USE CHEMICAL SAFETY GOGGLES.   |
| <b>Other protective Clothing or<br/>Equipment:</b> | APRONS, EYEWASH FOUNTAINS & SAFETY SHOWERS ARE RECOMMENDED.  |
| <b>Work / Hygienic Practices:</b>                  | AFTER USE, WASH HANDS W/SOAP & WATER BEFORE EATING, DRINKING OR SMOKING. LAUNDER CONTAMINATED CLOTHING BEFORE USE.             |

===== SECTION 10 – DISCLAIMER

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