

# MATERIAL SAFETY DATA SHEET



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**PRODUCT NAME: PRINTEX SEE THRU**

REVISION DATE: 12/06/2001 REVISION NUMBER: 2  
DATE PRINTED: 03/13/2002 PREPARED BY: Walter Friedlander

## 1. CHEMICAL PRODUCT

MSDS FORM NUMBER: 3044  
NFPA/HMIS HAZARD CODES (minimal=0; slight=1; moderate=2; serious=3; severe=4)

Health: 1/1  
Fire: 1/1  
Reactivity: 0/0  
Special/Protective None/B  
Equipment:

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

### Hazardous Components

PRODUCT COMPOSITION CAS REGISTRATION NO.	APPROX. WEIGHT PERCENT	ACGIH TLV	ACGIH UNIT	OSHA PEL	OSHA UNIT
2-Butoxy ethanol 111-76-2	2 max.	25	PPM (skin)	25	PPM (skin)
Isopropyl alcohol 67-63-0	< 1	400	PPM	400	PPM

## 3. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (F): 212 F (C) NA  
VAPOR PRESSURE: 15.7 mm Hg @ 22.2 C  
VAPOR DENSITY (AIR=1): 0.625  
SOLUBILITY IN WATER: COMPLETE  
SPECIFIC GRAVITY: 0.973  
VOC Content (%): NE  
EVAPORATION RATE: (BuAc = 1) : 1.26  
PH: 7.5  
APPEARANCE AND ODOR: Blue liquid. Alcohol scent.

## 4. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (F): > 180 F (TCC) (C): NA

METHOD: TCC

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**FLAMMABLE LIMITS IN AIR - LOWER (%) :** NE

**FLAMMABLE LIMITS IN AIR - UPPER (%) :** NE

**EXTINGUISHING MEDIA:** As appropriate for surrounding fire-product is mostly water and will not burn.

**FIRE FIGHTING PROCEDURES:** None.

### 5. STABILITY AND REACTIVITY

**STABILITY DATA:** STABLE

**POLYMERIZATION:** Will Not Occur.

**HAZARDOUS DECOMPOSITION:** None

**INCOMPATIBILITY (MATERIALS TO AVOID) :** None

**CONDITIONS/HAZARDS TO AVOID:** None.

### 6. HAZARDS IDENTIFICATION

#### EFFECTS FROM ACUTE EXPOSURE:

##### **INGESTION:**

Causes vomiting, nausea, and diarrhea.

##### **SKIN CONTACT:**

Prolonged contact may lead to irritation and dermatitis. Possible systematic effects such as nausea or dizziness with prolonged or repeated contact.

##### **INHALATION:**

Mists or vapors may cause nose and respiratory irritation, headache, nausea, dizziness.

##### **EYE CONTACT:**

May cause mild eye irritation.

##### **CHRONIC EFFECTS:**

2-Butoxyethanol is readily absorbed through the skin; frequent or widespread contact may absorb harmful amounts. Repeated overexposure may cause damage to liver, kidney, and red blood cells.

##### **EFFECTS/CARCINOGENICITY:**

None listed under OSHA, IARC, or NTP.

##### **ROUTES OF ENTRY:**

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation.

##### EMERGENCY AND FIRST AID MEASURES:

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**INGESTION:** Drink several glasses of water or milk. Contact Physician. Never give anything by mouth to an unconscious person. **SKIN:** Wash with soap and water.  
**INHALATION:** If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention. **EYES:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

**NOTES TO PHYSICIAN:** None.

### 7. HANDLING AND STORAGE

**SPILL PROCEDURES:**

**SMALL SPILLS:** Flush with water.

**LARGE SPILLS:** Dike to contain, reclaim all possible. Flush remainder with water.

**WASTE DISPOSAL METHODS:**

Dispose in accordance with Federal, State and Local regulations.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:**

Avoid contact with skin and eyes. Use only with adequate ventilation. Avoid creating mists or aerosols.

**OTHER PRECAUTIONS:**

Keep out of reach of children.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**EXPOSURE CONTROLS:**

None known.

**RESPIRATORY PROTECTION:**

Not normally required. If mist or vapors in air exceed exposure limit, use NIOSH approved organic vapor respirator.

**PROTECTIVE GLOVES:**

Rubber or plastic gloves recommended to minimize skin contact.

**EYE PROTECTION:**

Safety Glasses.

**OTHER PERSONAL PROTECTION**

None required.

**EQUIPMENT:**

**VENTILATION:**

General mechanical and/or local exhaust as needed to meet exposure limits if mist in air.

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\*\*\* END OF MSDS \*\*\*