



Graphic Arts Products

## MATERIAL SAFETY DATA SHEET

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### Section 1 PRODUCT IDENTITY

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**Label Name:** Plate Image Remover # 1001 and # 1002  
**Chemical Family:** Aliphatic organic chemicals  
**Formula Number:**

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### Section 2 HAZARDOUS INGREDIENTS

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<u>Components</u>		<u>CAS Number</u>	<u>US #</u>	<u>TLV</u>
Butyl Acetate	30%	123-86-4	1123	ACGIH 150 ppm
Acetone	30%	67-64-1	1090	ACGIH 200 ppm
Hydrofluoric Acid	.8 %	7664-39-3	1790	ACGIH 3 ppm
Water	39%			

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### Section 3 PHYSICAL & CHEMICAL PROPERTIES

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**Boiling Point:** 239 ° F (115 ° C) **Specific Gravity:** 0.8  
**Vapor Pressure:** 20 mmHg **Percent Volatile:** 100%  
**Solubility in water:** 100%  
**Appearance and Odor:** Liquid, transparent, pungent smell

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### Section 4 FIRE & EXPLOSIVE HAZARD DATA

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**Flash Point:** 131° F (55 °C)  
**Flammability Limits:** Upper: 12% Lower: 1.7 %  
**Extinguishing Media:** Carbon dioxide fire extinguisher.  
**Special Fire Fighting Procedure:** Extinguish by carbon dioxide or powder extinguisher.  
**Unusual fire and explosive hazards and physical hazards:** No unusual fire and explosive hazard due to small contents of fluid.

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### Section 5 REACTIVE DATA

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**Stability:** Stable at normal conditions.  
**Conditions to avoid:** Do not mix with alkaline  
**Incompatibility:** Reacts to alkaline.  
**Hazardous decomposition products:** Hydrogen by combination with metals.  
**Hazardous polymerization:** N/A

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### Section 6 HEALTH EFFECTS OF EXPOSURE

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**Eyes** Liquid extremely irritating. Flush with plenty of water and seek medical help,  
**Skin:** Wash with soap and water  
**Ingestion:** Vomit and seek medical help. Antidote, solution of salt.  
**Inhalation:** In case of inhalation, remove the affected person to fresh air and keep at rest. If any symptoms persist, obtain medical attention.

**Health Hazard Data**

**Primary Routes of Entry:** Stated in MSDS  
**Published Exposure Limits:** Stated in MSDS  
**Listed as Carcinogen:** Not contained  
**Effects of Overexposure:** In case of skin contact, wash with soap and water at once. If contacted on the clothing, remove the contaminated clothing immediately.

**Emergency and First Aid Procedures**

*Section 7* **SPILL OR LEAK PROCEDURES**

Avoid direct contact with skin and breathing vapor. Wipe off with cloth or absorbent material and place into an airtight container. An adequate respirator and chemical resistant gloves are recommended.

*Section 8* **RECOMMENDED CONTROL MEASURES**

**Respiration Protection:** Normally not required due to small contents of fluid.  
**Ventilation:** Well-ventilated area.  
**Protective Gloves:** Chemical resistant gloves are recommended.  
**Eye Protection:** Chemical safety glasses are recommended.  
**Other Protective Equipment:** Wear impervious clothing to minimize skin contact.

*Section 9* **SPECIAL PRECAUTIONS**

**Precautions to be taken in handling or storage:**  
 Keep from heat and open flame.  
 Do not open back of pen.  
 Keep from small children.  
 Keep pen capped when not in use.  
 Use in well ventilated area.  
 In case of skin contact, wash off with water.

*Section 10* **TRANSPORTATION DATA**

**Voc:** = N/A  
**Sara:** = N/A  
 Do not throw and drop from 1m high or more.  
 Do not store above 104 ° F (40 ° C)

*Section 11* **PRECAUTIONARY LABELING**

<b>HMIS</b>	Health	3
	Flammability	2
	Reactivity	4
	Personal Protection	E

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