



Graphic Arts Products

Base-Line, Inc.
4 Corporate Drive
Suite 186
Shelton, CT 06484
(203) 925-0240
Fax (203) 925-0239

Emergency Telephone:
1-877-651-5329 - product tracking code 9755
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MATERIAL SAFETY DATA SHEET

Section 1 PRODUCT IDENTITY

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

Section 2 HAZARDOUS INGREDIENTS

Components		CAS Number	US #	TLV
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%			

Section 3 PHYSICAL & CHEMICAL PROPERTIES

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

Section 4 FIRE & EXPLOSIVE HAZARD DATA

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.

Section 5 REACTIVE DATA

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

Section 6 HEALTH EFFECTS OF EXPOSURE

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**

HMIS	Health	3
	Flammability	2
	Reactivity	4
	Personal Protection	E

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