



Graphic Arts Products

MATERIAL SAFETY DATA SHEET

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Section 1 PRODUCT IDENTITY

Label Name: Opaquing Pens # 3999B & R or # 4000B & R or # 4001B & R or # 4003B & R or # 4005B & R or # 4011B, L & R or # 4012B & R or # 4013R or # 4030B & R

Chemical Family: Aliphatic organic chemicals

Formula Number:

Section 2 HAZARDOUS INGREDIENTS

<u>Components</u>	<u>CAS Number</u>	<u>TLV</u>
Benzyl Acetate	40% 140-11-4	
Tetrahydrofuran	45% 109-99-9	
Red Dye	35%	

Section 3 PHYSICAL & CHEMICAL PROPERTIES

Boiling Point:	320 ° F (160 ° C)	Specific Gravity:	0.9
Vapor Pressure:	3.7 mmHg	Percent Volatile:	80%
Solubility in water:	insoluble		
Appearance and Odor:	Liquid, red or black, fragrant odor.		

Section 4 FIRE & EXPLOSIVE HAZARD DATA

Flash Point: 122 ° F (50 ° C)

Flammability Limits: Upper: 15% Lower: 2.6 %

Extinguishing Media: Carbon dioxide or power extinguisher.

Special Fire Fighting Procedure: Carbon dioxide or powder extinguisher.

Unusual fire and explosive hazards and physical hazards: None.

Section 5 REACTIVE DATA

Stability: Stable

Conditions to avoid: Not reactive

Incompatibility: Not reactive

Hazardous decomposition products: Not reactive

Hazardous polymerization: N/A

Section 6 HEALTH EFFECTS OF EXPOSURE

Eyes: Flush with plenty of water and seek medical help.

Skin: Wash thoroughly with soap and water.

Ingestion: Vomit and seek medical help.

Inhalation: Remove 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: No
Effects of Overexposure: In case of skin contact, wash with soap and water at once., If contacted on clothing, remove immediately.

Emergency and First Aid Procedures

If product contacts skin wash with soap and water. Eyes-flush with water 15 minutes. If eye contact occurs, seek medical treatment. For inhalation-recap pen and seek fresh air.

*Section 7***SPILL OR LEAK PROCEDURES****Steps to be taken in case the material is released or spilled:**

Avoid direct contact with skin and breathing vapor. Wipe off with cloth or absorbent material and place into an airtight container. 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: Use in well ventilated area.
Protective Gloves: Chemical resistant gloves are recommended.
Eye Protection: Chemical safety glasses are recommended.
Other Protective Equipment: Clothing suitable to prevent skin contact.

*Section 9***SPECIAL PRECAUTIONS**

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

*Section 10***TRANSPORTATION DATA**

V.C.: = N/A
SARA: = N/A
 So not throw or drop from 1m high or more.
 Do not store above 104 ° F (40 ° C)

*Section 11***PRECAUTIONARY LABELING**

HMIS RATING:

Health	1
Flammability	3
Reactivity	0
Personal Protection	E

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