



Graphic Arts Products

MATERIAL SAFETY DATA SHEET

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Section 1
PRODUCT IDENTITY

Label Name: Laser Direct Deletion Pen
Chemical Family:
Formula Number:

Section 2
HAZARDOUS INGREDIENTS

IMPORTANT: Following data is applicable to raw material in bulk amounts only. Does not apply to pen application form.

Components

Naphtha
Alcohol
Xylenes

Section 3
PHYSICAL & CHEMICAL PROPERTIES

Boiling Point: 105.55°C **Specific Gravity:** .90
Vapor Pressure: 32 **Percent Volatile:** Upper 12.8 Lower: 1.9
Solubility in water: Partial **Melting Point:** N/A
Appearance and Odor: White, aromatic

Section 4
FIRE & EXPLOSIVE HAZARD DATA

Flash Point: 31.2° C
Flammability Limits: Upper: 12.8 Lower: 1.9
Extinguishing Media: Dry fire-extinguishing material, water
Special Fire Fighting Procedure: Protective wear
Unusual fire and explosive hazards and physical hazards: Vapors may irritate

Section 5
REACTIVE DATA

Stability: Stable
Conditions to avoid: Open flame
Incompatibility: Strong oxidizers
Hazardous decomposition products: Oxides of carbon
Hazardous polymerization: Will not occur

*Section 6***HEALTH EFFECTS OF EXPOSURE**

Eyes: Irritation
Skin: May irritate
Ingestion: Do not ingest, headache, blurred vision, nausea if ingested.
Inhalation: Do not inhale, headache, nausea, dizziness, drowsiness if inhaled.

Health Hazard Data

Primary Routes of Entry: Eyes, skin
Published Exposure Limits: Code H, HMIS
Listed as Carcinogen: No
Effects of overexposure: Chronic irritation in nasal area, dizziness, nausea, headache.

Emergency and First Aid Procedures

In case of ingestion, give lots of water, skin contact - flush with soap and water and remove contaminated clothing, eye contact - flush with water for 15 minutes, inhalation - remove to fresh air, if problem with breathing, apply oxygen. Seek medical care in all contact with fluid.

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

Steps to be taken in case the material is released or spilled: Not applicable to pen form of this product.

*Section 8***RECOMMENDED CONTROL MEASURES**

Respiration Protection: Face mask, goggles
Ventilation: Raw material in bulk form requires ventilation.
Protective Gloves: Yes
Eye Protection: Yes
Other Protective Equipment: N/A

*Section 9***SPECIAL PRECAUTIONS**

Precautions to be taken in handling or storage:

Pen should have cap secured tightly when not in use, keep out of direct sunlight

*Section 10***TRANSPORTATION DATA**

DOT: N/A
VOC: =None
SARA: =None

*Section 11***RECAUTIONARY LABELING**

HMIS RATING:

Health	2
Flammability	3
Reactivity	0
Personal Protection	H

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