



Graphic Arts Products

MATERIAL SAFETY DATA SHEET

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Section 1 PRODUCT IDENTITY

Label Name: Long Run Addition Pen CTP-2000
Chemical Family:
Formula Number:

Section 2 HAZARDOUS INGREDIENTS

<u>Components</u>	<u>CAS Number</u>	<u>%</u>
Methyl Isobutyl Ketone	00108-10-1	57-64
Resin	100-42-5	28-36
Dyestuff	111559-76-3	7-12

Section 3 PHYSICAL & CHEMICAL PROPERTIES

Boiling Point: 116°C **Specific Gravity:** .9 (Water = 1)
Vapor Pressure: 17 mm Hg @25° C **Percent Volatile:** 1.6 (Butyl Ac=1)
Solubility in water: Slightly miscible
Appearance and Odor: Black liquid with slight solvent odor.

Section 4 FIRE & EXPLOSIVE HAZARD DATA

Flash Point: 20.2° C
Flammability Limits: **Upper:** 8.4 **Lower:** 1.3
Extinguishing Media: Water spray, foam spray
Special Fire Fighting Procedure: Use water to cool nearby containers/structures. Wear full protective equipment including suitable respiratory protection.
Unusual fire and explosive hazards and physical hazards: In bulk form vapors may flow to distant ignition sources and flash back.

Section 5 REACTIVE DATA

Stability: Stable
Conditions to avoid: Heat, sparks and open flame
Incompatibility: With strong oxidizers and strong acids
Hazardous decomposition products: Oxides of carbon
Hazardous polymerization: Will not occur

Section 6 HEALTH EFFECTS OF EXPOSURE

Eyes: Do not make direct eye contact, may irritate.
Skin: Absorption not likely
Ingestion: Do not ingest, harmful if swallowed
Inhalation: Do not inhale, harmful if inhaled.

Health Hazard Data**Primary Routes of Entry:** Nose, mouth**Published Exposure Limits:** Code 2HMIS**Listed as Carcinogen:** NF**Effects of overexposure:** Prolonged skin contact may cause dermatitis, vapors may cause irritation of mucous membranes, dizziness, dullness and headache. Ingestion may cause nausea, vomiting, and gastrointestinal irritation.**Emergency and First Aid Procedures**

If product contacts skin, wash with soap and water. Seek medical treatment if needed. Eyes: flush with **water** only for 15 minutes. If eye contact occurs, seek medical treatment. In case of ingestion do not induce vomiting seek medical attention.

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: Yes**Ventilation:** Yes, provide adequate ventilation to meet TLV and PEL requirement.**Protective Gloves:** Yes**Eye Protection:** Yes**Other Protective Equipment:** Protective clothing.

Section 9 SPECIAL PRECAUTIONS

Precautions to be taken in handling or storage: Pens should have cap secured tightly when not in use, store in cool, dry area, avoid freezing or overheating.

Section 10 TRANSPORTATION DATA

VOC: = None**SARA:** = None

Section 11 PRECAUTIONARY LABELING

HMIS RATING:	Health	2
	Flammability	2
	Reactivity	0
	Personal Protection	H

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