

MATERIAL SAFETY DATA SHEET
Jet Coding Inks

The Leader Corporation
731 109th Street
Arlington, TX 76011

Division of: Squid Ink Manufacturing, Inc.
1173 Osborne Road
Spring Lake Park, MN 55432

Last Update: April 8, 2002
MSDS Number: 1009021
Emergency: (800) 424-9300

I. PRODUCT IDENTIFICATION

Product Name: LD-PZ4000 Colored Ink Jet Ink, LD-PZ4001 Red, LD-PZ-4002 Blue, LD-PZ 4003 Green and LD-PZ-4003 (ALPINE SERIES)

Chemical Family: Ketone /Glycol Ether

II. INGREDIENTS

<u>Ingredient</u>	<u>CAS No.</u>	<u>Wt. %</u>	<u>LD50</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OSHA STEL</u>
Diacetone Alcohol	123-42-2	35-55	4000mg/kg	50ppm	50ppm	N.A.
Glycol Ether PM	108-65-6	10-40	8552mg/kg	N/A	N'A	N/A
Cyclohexanone	108-94-1	10-40	1.62ml/kg	25.0ppm	25ppm	N/A

III. PHYSICAL DATA

Boiling Point: 275-342° F / 135-172° C
Vapor Pressure (mm Hg): 0.9
Vapor Density (Air=1): 4.00
Solubility in Water: Miscible.
Evaporation Rate (n-Butyl Acetate=1): 0.12
Specific Gravity (Water=1): 0.90-0.98
Percent Volatile by Volume (%): 80-95
Appearance and odor: Colored Liquid with ketone odor

IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point: 110° F / 43.3° C
Flammable Limits: LEL: 1.8 UEL: 6.9
Extinguishing Media: Carbon dioxide, dry chemical, or alcohol foam.
Special Fire Fighting Procedures: Wear a self-contained breathing apparatus and chemical resistant personal protection.
Unusual Fire and Explosion Hazards: Combustible, may ignite by spark or open flame.

V. REACTIVITY DATA

Stability: (X) Stable () Unstable
Incompatibility: Oxidizing Materials.
Hazardous decomposition products: Carbon Monoxide on combustion.
Conditions to avoid: Prevent exposure to excessive heat and flame.

VI. HEALTH HAZARD DATA

Effects of Overexposure:

Eye Contact: Can cause irritation, redness, tearing and blurred vision.
Skin Contact: Prolonged or repeated contact can cause minor skin irritation.
Inhalation: Excessive inhalation of vapors can cause nasal and respiratory irritation.
Ingestion: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

