

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-PZ4043 Ink Jet Flush (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	30-55	4000mg/kg	50ppm	50ppm	N.A.
Glycol Ether PM	107-98-2	40-65	6600mg/kg	100ppm	100ppm	150ppm

III. PHYSICAL DATA

Boiling Point: 205-342° F / 96-172° 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: Clear Liquid with ketone odor

IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point: 91° F / 32° 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.

First Aid:

Eye Contact: Flush with large amounts of water for 15 minutes and seek medical attention.
Skin Contact: Remove contaminated clothing. Wash skin with soap and water.
Inhalation: Remove to fresh air. If breathing is difficult, administer oxygen. If problems

Ingestion: persist, seek medical attention.
 Keep person warm and seek medical advice on whether to induce vomiting.

VII. SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled:

Isolate spill. Prevent run-off to sewers or other bodies of water. Absorb liquid with suitable absorbent material and place in containers for proper disposal.

Waste Disposal: Dispose contaminated absorbent in accordance with local, state and federal regulations.

VIII. SPECIAL PROTECTION INFORMATION

Respiratory Protection: NIOSH / MSHA approved respirator when high concentrations of vapors exist.

Ventilation: Provide sufficient mechanical ventilation to maintain low concentrations of vapors.

Protective Clothing: Chemical resistant gloves.

Eye Protection: Safety goggles.

Other Protective Equipment: As necessary to avoid prolonged contact.

IX. TRANSPORTATION

Proper Shipping Names: DOT: Printing Ink IMCO: Flammable Liquid

Hazard Classification: Flammable Liquid UN1210 Flammable Liquid UN1993

X. HAZARDOUS MATERIALS IDENTIFICATION SYSTEM

NFPA Rating Hazard Ratings: 0 - Minimal 1 - Slight 2 - Moderate 3 - Serious 4 - Severe

Health: 2

Flammability: 3

Reactivity: 0

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