

MATERIAL SAFETY DATA SHEET

Ink Jet Coding Inks

Squid Ink Manufacturing, Inc.
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Spring Lake Park, MN 55432

Last Update: September 30, 2004
MSDS Number: 00910
Emergency: (800) 424-9300

I. PRODUCT IDENTIFICATION

Product Name: LD-PZ1000 Black

Chemical Family: Petroleum Hydrocarbon

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>
Technical White Oil	8042-47-5	50-80	N/A	N/A	N/A	N/A
				(If oil mist is generated) TWA 5 mg/m3	TWA 5 mg/m3	10 mg/m3
Fatty Acid Ester	67762-63-4	5-15	>2000mg/kg	N/A	N/A	N/A
Carbon Black	1333-86-4	8-18	>8000mg/kg	3.5mg/m3	3.5mg/m3	N/A
Polymeric amide	Proprietary	1-10	N/A	N/A	N/A	N/A

III. PHYSICAL DATA

Boiling Point: 515-586° F / 268-308° C

Vapor Pressure (mm Hg): < 0.1 mm Hg @ 70°F

Vapor Density (Air=1): 8.1

Solubility in Water: Insoluble in water, soluble in hydrocarbons.

Evaporation Rate (n-Butyl Acetate=1): <0.01

Specific Gravity (Water=1): 0.81 @ 60°F

Percent Volatile by Volume (%): 64.3%

Appearance and odor: Black liquid with slight hydrocarbon odor.

IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point: 260° F / 129.4° C

Flammable Limits: LEL: Not determined UEL: Not determined.

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: Dense smoke may be generated while burning. Carbon Monoxide Carbon dioxide, and other oxides may be generated as products of combustion.

V. REACTIVITY DATA

Stability: (X) Stable () Unstable

Incompatibility: Strong oxidizing materials.

Hazardous decomposition products: Carbon Monoxide, Carbon dioxide, and other oxides may be generated as products of combustion.

Conditions to avoid: Prevent exposure to excessive heat and flame.

VI. HEALTH HAZARD DATA

Effects of Overexposure:

Eye Contact:	Minimally irritating to the eyes upon direct contact.
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 persist, seek medical attention.
Ingestion:	Do not induce vomiting due to aspiration. If vomiting occurs, lower head below knees to avoid aspiration. Seek immediate medical attention.

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:	Not required under conditions of normal use. If mist is generated use NIOSH / MSHA approved respirator when high concentrations of vapors exist.
Ventilation:	If vapor mist is generated, provide sufficient mechanical ventilation to maintain low concentrations of vapors.
Protective Clothing:	For prolonged or repeated exposure wear chemical resistant gloves.
Eye Protection:	To reduce chances of splash, wear plastic face shield or splash-proof safety goggles.
Other Protective Equipment:	As necessary to avoid prolonged contact.

IX. TRANSPORTATION

Proper Shipping Names:	DOT: Ink	IMCO: Ink
Hazard Classification:	Not Regulated. This product is not known to contain any SARA, Title III, Section 313 Reportable Chemicals at or greater than 1.0% (0.1% for carcinogens).	

X. HAZARDOUS MATERIALS IDENTIFICATION SYSTEM

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

Health:	1
Flammability:	1
Reactivity:	0

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