

Pigment Black Ink

Section 1 - Product and Company Identification

Product Name: Pigment Black Ink	Manufacturer: Lexmark International, Inc.
Product ID: 53436	740 West New Circle Road
Chemical Family: Ink	Lexington, KY 40550
Application: Inkjet Printer	Information: 1-859-232-3000
Prepared By: Product Environmental Programs	Emergency: 1-859-232-3333

Section 2 - Composition / Information on Ingredients

Ingredients	Percent (wt.)	CAS Number	OSHA PEL	ACGIH TLV
Water	75-85	7732-18-5	None	None
Glycerol	5-10	56-81-5	15 mg/m ³ TWA (Total Dust) 5 mg/m ³ TWA (Respirable Dust)	10 mg/m ³ TWA (Mist)
Water Soluble Organic Solvent NJTSRN 80100451-5013	1-5	Trade Secret	None	None
Water Soluble Organic Solvent NJTSRN 80100451-5051	1-5	Trade Secret	None	None
Carbon Black	1-5	1333-86-4	3.5 mg/m ³ TWA	3.5 mg/m ³ TWA

Section 3 - Hazards Identification

Hazard Information: Primary Routes of Exposure: Skin contact, ingestion

Inhalation: If ink mist is inhaled, respiratory tract irritation may occur. No adverse chronic effects known.

Skin Contact: Not an irritant. No adverse chronic effects known. Not a dermal sensitizer.

Eye Contact: Not an irritant. No adverse chronic effects known.

Ingestion: Low acute oral toxicity. Chronic toxicological testing of the ink formulation has not been performed. Based on component characteristics, liver, kidney, and CNS effects are possible if large quantities of ink are ingested.

Section 4 - First Aid Measures

Inhalation: If symptoms, such as shortness of breath or persistent coughing are experienced, remove source of contamination and move individual to fresh air. If symptoms persist, seek medical attention.

Skin Contact: Wash with soap and water. Should irritation occur, seek medical attention.

Eye Contact: Flush immediately with plenty of water. Remove contact lenses and continue flushing for at least 15 minutes. If irritation develops and persists, seek medical attention.

Ingestion: Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

Aggravated Conditions: None known

Section 5 - Fire Fighting Measures

Flash Point/Range: >200°F
Autoignition Temperature: Not determined
Flammable Limits in Air UEL: Not determined
Flammable Limits in Air LEL: Not determined

Extinguishing Media: Carbon dioxide, water spray or fog, dry chemical or foam

Hazardous Combustion Products: Carbon monoxide, carbon dioxide, unidentified organics

Special Exposure Hazards: None known

Special Protective Equipment: NIOSH approved self-contained breathing apparatus may be required if large amounts of ink are involved.

NFPA Rating: Health: 1 Flammability: 0 Reactivity: 0

HMS Classification: Health: 1 Flammability: 0 Reactivity: 0

Section 6 - Accidental Release Measures

Personal Precautionary Measures: Wear latex, vinyl, or nitrile gloves to prevent staining of skin.

Environmental Precautions: Unless specifically permitted for disposal, keep waste out of sewers, watersheds, and waterways.

Procedure for Cleaning/Absorption: Absorb small spills with cloth or paper towels or other suitable material. Place in container for disposal. For large spills, dike around spill with absorbent material. Wash spill site with soap and water after material pickup is complete. Disposal is subject to federal, state, local, or provincial regulations.

Section 7 - Handling and Storage

Handling: Keep from freezing.

Storage: Store in a cool, dry place.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls: None required.

Respiratory Protection: None required

Gloves: Latex, PVC, neoprene, or nitrile gloves are recommended to prevent staining of skin.

Skin Protection: None required

Eyes: Safety glasses with side shields

Section 9 - Physical and Chemical Properties

Physical State: Liquid

Color: Black

Specific Gravity: Approximately 1.0

Solubility in Water: Fully miscible

Freezing Point/Range (°C): Approximately -8

Odor: Faint

Boiling Point (°C): Approximately 98.0

Section 10 - Stability and Reactivity

Chemical stability: Stable

Hazardous Polymerization: Will not occur

Conditions to Avoid: None known

Materials to Avoid: None known

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, unidentified organics

Section 11 - Toxicological Information

Primary Routes of Exposure: Ingestion, skin contact.

Ingestion: Low acute oral toxicity.

Acute Toxicity Oral Rat LD50 (mg/kg): Not tested

Inhalation: Low acute inhalation toxicity. Pure carbon black, a minor component of this product, has been listed by IARC as a group 2B (possible carcinogen). This classification is based on rat "lung particulate overload" studies performed with airborne particulate carbon black. Ink is not listed by IARC, NTP, or OSHA.

Aggravated Conditions: None known

Section 12 - Ecological Information

Mobility: Not determined

Bioaccumulative: Not determined

Persistence: Not determined

Section 13 - Disposal Considerations

Waste Disposal:

This product is not a listed hazardous waste in accordance with Federal Regulation 40 CFR Part 261. If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal whether a material has been contaminated and should be classified as a hazardous waste. Disposal is subject to local, state and federal regulations.

Section 14 - Transport Information

DOT Status: Not classified as a hazardous material or substance under US DOT.

Section 15 - Regulatory Information

TSCA (USA):	All ingredients are listed on the Toxic Substances Control Act (TSCA) inventory, have been registered, or are exempt.
SARA / EPCRA (USA):	None of the ingredients in this product has a final reportable quantity (RQ) under Emergency Planning and Community Right-to Know Act (EPCRA)- Section 302: Extremely Hazardous Substances (EHS) or notification requirements for EHS under Section 304.
California Proposition 65:	This product contains no known materials at levels which the State of California has found to cause cancer, birth defects or other reproductive harm - California Proposition 65.
DSL (Canada):	All ingredients are listed on the Canadian Domestic Substances List (DSL), have been registered on the Non-Domestic Substances List (NDSL), or are exempt.
AICS (Australia):	All ingredients are listed in Australian Inventory of Commercial Substances (AICS), have been registered, or are exempt.
PICCS (Philippines):	All ingredients are listed on the Philippines Inventory (PICCS) or are exempt.
IECSC (China):	All ingredients are listed on the Chinese Inventory (IECSC) or are exempt.
ENCS (Japan):	All ingredients are listed on the Japanese Existing and New Chemical Substances (ENCS) list, have been registered, or are exempt.
ECL (Korea):	All ingredients are listed on the Korean Existing Chemicals List (ECL), have been registered, or are exempt.

Section 16 - Other Information

Data are most current known to Lexmark at the time of preparation and are believed to be accurate. No warranty as to their accuracy or completeness is expressed or implied.

*****END OF MSDS*****