Conforms to ANSI Z400.5-2004 Standard (United States, Canada, Mexico).

LEXMARK™

Material Safety Data Sheet

200/210/220 Cyan Ink Cartridge PN: 14L0086

1 . Product and company identification

Supplier/Manufacturer: Lexmark International, Inc.
740 West New Circle Road
Lexington, Ky 40550

Description :	Part number :	
200	14L0086	14L0647
200XL	14L0175	14L0651
200XLA	14L0198	
210	14L0086E	
210XL	14L0175E	
220	14L0086A	
220XL	14L0175A	
	14L0692	

For actual printer/cartridge compatibility please reference www.lexmark.com

Application : Inkjet printer

Information: 1-859-232-3000
Emergency: 1-859-232-3333

2 . Composition/information on ingredients

Name	%	CAS number	OSHA PEL	ACGIH TLV
Water	70-85	7732-18-5	None	None
Water Soluble Organic Solvent	5 - 10	Trade secret NJTSRN 80100451-5051	None	None
Water Soluble Organic Solvent	3 - 7	Trade secret NJTSRN 80100451-5070	None	None
Water Soluble Organic Solvent	1 - 5	Trade secret NJTSRN 80100451-5057	None	None
Pigment	1 - 5	Trade secret NJTSRN 80100451-5074	None	None

3 . Hazards identification

Hazard information : **Route of exposure** : Dermal contact. Eye contact. Ingestion.

Inhalation : If ink mist is inhaled, respiratory tract irritation may occur. No known significant effects or critical hazards. Exposure not probable with intended use.

Skin contact : Not an irritant. Not a dermal sensitizer. No known significant effects or critical hazards.

Eye contact : Not an irritant. No known significant effects or critical hazards.

Ingestion : Low acute oral toxicity. Chronic toxicological testing of the ink formulation has not been performed.

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 : Do not rub eyes. 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. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.

Aggravated conditions : None known.

Notes to physician : No specific antidote.

5 . Fire-fighting measures

Flash point : Solid. Ink > 200°C.

Auto-ignition temperature : Not applicable.

Flammable limits : 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 for fire-fighters : Fire fighters should wear full protective clothing, including self-contained breathing apparatus.

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

HMIS Classification : Health: 1* Flammability: 1 Reactivity: 0

6 . Accidental release measures

Personal precautions : 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. Disposal is subject to national, state, regional, or provincial regulations

Methods for cleaning up : Small spill : Absorb small spills with cloth or paper towels or other suitable material. Product waste and emptied containers should be disposed of in accordance with local waste regulations. Dispose material in accordance with all local, state, and federal regulations.

7 . Handling and storage

Handling : Keep from freezing. To avoid damage to cartridge and accidental contact with ink, keep out of reach of children.

Storage : Store in a cool, dry place. Store away from oxidizing material.

8 . Exposure controls/personal protection

Engineering measures : Not required. Use in a well-ventilated area.

Respiratory : Not required under normal conditions of use.

Gloves : Not required under normal conditions of use.

Skin protection : Not required under normal conditions of use.

Eyes : Not required under normal conditions of use.

9 . Physical and chemical properties

Physical state : Liquid.

Color : Cyan

Odor : Faint odor.

Solubility : Easily soluble in the following materials: cold water, hot water, Methanol and acetone.

Melting/freezing point : 0°C (32°F)

Volatility : Not determined

10 . Stability and reactivity

Stability and reactivity : The product is stable.

Conditions to avoid : None known.

Materials to avoid : Reactive or incompatible with the following materials: oxidizing materials and acids.

Hazardous decomposition products : Carbon monoxide, carbon dioxide, unidentified organics.

Hazardous polymerization : Under normal conditions of storage and use, hazardous polymerization will not occur.

Additional guidelines : Slightly flammable in the presence of the following materials or conditions: open flames, sparks and static discharge and heat.

11 . Toxicological information

Primary routes of exposure : Inhalation of vapors, skin contact.

Ingestion : Low acute oral toxicity. Exposure not probable with intended use.

Acute toxicity oral rat LD50 (mg/kg) :

Product/ingredient name	Species	Dose	Result	Exposure
200/210/220 Cyan Ink Cartridge PN: 14L0086	Rat	>5000 mg/kg	LD50 Oral	-

Inhalation : Low acute inhalation toxicity. As with exposure to high concentrations of any mist, minimal irritation of the respiratory tract may occur.

Aggravating conditions : None known.

Potential chronic health effects : **CARCINOGENIC EFFECTS**: Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.

Exposure limit values : See Section 3.

12 . Ecological information

Aquatic ecotoxicity

Product/ingredient name	Test	Result	Species	Exposure
propane-1,3-diol	-	Acute EC50 7417000 to 8555000 ug/L Fresh water	Daphnia - Water flea - Daphnia magna - 6 to 24 hours	48 hours
200/210/220 Cyan Ink Cartridge PN: 14L0086	-	Acute EC50 121 mg/l	Algae	72 hours
	-	Acute LC50 >1000 mg/l	Daphnia	48 hours
	-	Acute LC50 >100 mg/l	Fish	96 hours
	-	Chronic NOEC 1000 mg/l	Daphnia	48 hours
	-	Chronic NOEC 100 mg/l	Fish	96 hours

Ecotoxicity : No known significant effects or critical hazards.

Mobility : Not available.

Other information : Products of degradation: carbon oxides (CO, CO_2) and water, nitrogen oxides (NO, NO_2 etc.).

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 o 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.

14 . Transport information

International transport regulations

DOT/ TDG/ ADR/RID/ IMDG / IATA : Not regulated by any transport mode.

15 . Regulatory information

United States

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 Prop. 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.

International regulations lists

EINECS (Europe) : All ingredients are listed on the European Inventory of Existing Commercial Substances (EINECS) list, have been registered on the European List of New Chemical Substances (ELINCS), or are exempt.

REACH Status : EU (REACH): All components of the toner formulation are registered, pre-registered or exempt under REACH. Pre-registered chemicals will be registered between 2011 and 2018.

ENCS (Japan) : All ingredients are listed on the Japanese Existing and New Chemical Substances (ENCS) list, have been registered, or are exempt.

AICS (Australia) : All ingredients are listed in Australian Inventory of Chemical Substances (AICS), have been registered, or are exempt.

Philippines inventory (PICCS) : All ingredients are listed on the Philippines Inventory (PICCS) or are exempt.

Korea inventory (KECI) : All ingredients are listed on the Korean Existing Chemicals List (ECL), have been registered, or are exempt.

China inventory (IECSC) : All ingredients are listed on the Chinese inventory (IECSC) or are exempt.

Canada

WHMIS (Canada) : Not controlled under WHMIS (Canada).

DSL/NDSL : All ingredients are listed on the Canadian Domestic Substances List (DSL), have been registered on the Non-Domestic Substances List (NDSL), or are exempt.

Mexico Classification : Health: 1 Flammability: 1 Reactivity: 0

16 . Other information

Revision comments	:	No significant revisions to health and safety information.
References	:	ANSI Z400.1, MSDS Standard, 2004. - Manufacturer's Material Safety Data Sheet. - 29CFR Part1910.1200 OSHA MSDS Requirements. - 49CFR Table List of Hazardous Materials, UN#, Proper Shipping Names, PG. - Canada Gazette Part II, Vol. 122, No. 2. Registration SOR/88-64, 31 December 1987. Hazardous Products Act "Ingredient Disclosure List" - Canadian Transport of Dangerous Goods, Regulations and Schedules, Clear Language version 2005. - Official Mexican Standards NOM-018-STPS-2000 and NOM-004-SCT2-1994.
Date of issue	:	02/15/2012
Version	:	1

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.