



Safety Data Sheet

Toner Cartridge PN W84020H

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Identification of the substance or mixture

Description of the product type : Part number :

Toner Cartridge

W84020H

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

Product type : Solid.

Application : Laser Printer W840

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

e-mail address of person responsible for this SDS : caldwell@lexmark.com

Emergency telephone number : Informations :1-859-232-3000
(24/7) [United States] Emergency :1-859-232-3333

2. HAZARDS IDENTIFICATION

The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : Not classified.

See section 11 for more detailed information on health effects and symptoms.

See Section 12 for environmental precautions.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture : Mixture

Ingredient name	CAS number	%	EC number	Classification
Carbon black	1333-86-4	5-10	215-609-9	Not classified. [2]
Titanium Dioxide	-	5-10	-	Not classified. [2]
See section 16 for the full text of the R-phrases declared above				
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There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

Occupational exposure limits, if available, are listed in section 8.

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.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.
- Notes to physician** : No specific antidote.

See section 11 for more detailed information on health effects and symptoms.

5. FIRE-FIGHTING MEASURES

Extinguishing media

- Suitable** : Carbon dioxide, water spray or fog, dry chemical or foam.
- Not suitable** : None known.
- Special exposure hazards** : Like many finely divided materials, toner dust, in high concentrations can form an explosive mixture in air which, if ignited, could result in a dust explosion.
- Hazardous thermal decomposition products** : Carbon monoxide, carbon dioxide, unidentified organics.
- Special protective equipment for fire-fighters** : Fire fighters should wear full protective clothing, including self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** : None required for intended use in printer.
- Environmental precautions** : Disposal should be in accordance with applicable regional, national and local laws and regulations.
- Methods for cleaning up**
 - Small spill** : If a dust cloud is possible due to a spill, remove all sources of ignition such as open sparks, flames, or static discharge to prevent the ignition of the dust. Minimize dust generation during clean up. Sweep up spill with non-metallic broom and dustpan. Contain for disposal. Oil permeated sweeping compound may be useful in cleaning up spills.
 - Large spill** : Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

7. HANDLING AND STORAGE

- Handling** : Avoid generating dust. To avoid damage to cartridge and accidental contact with toner, keep out of reach of children.
- Storage** : Store in a cool, dry place. Store away from oxidizing material.
- Packaging materials**
 - Recommended** : Use original container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient name	Occupational exposure limits
Carbon black	EH40/2005 WELs (United Kingdom (UK), 8/2007). STEL: 7 mg/m ³ 15 minute(s). TWA: 3.5 mg/m ³ 8 hour(s).
Titanium Dioxide	EH40/2005 WELs (United Kingdom (UK), 8/2007). TWA: 10 mg/m ³ 8 hour(s). Form: Inhalable dust. TWA: 4 mg/m ³ 8 hour(s). Form: Respirable dust

Exposure controls

Exposure limit values : Toner dust is a particulate not otherwise classified (PNOC) or regulated (PNOR).

Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

Occupational exposure controls : Not required. Use only in well-ventilated areas.

Respiratory protection : None required for intended use in printer.

Hand protection : None required for intended use in printer.

Eye protection : None required for intended use in printer.

Skin protection : None required for intended use in printer.

Hygiene measures : Wash hands, forearms and face thoroughly after handling compounds and before eating, smoking and using the lavatory and at the end of the day. Follow good industrial hygiene practice.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. PHYSICAL AND CHEMICAL PROPERTIES

General information

Appearance

Physical state : Solid. [Toner Cartridge]

Colour : Black.

Odour : Faint odour.

Odour threshold : Not available.

Important health, safety and environmental information

Flash point : Solid, not applicable

Explosion limits : Not determined.

Auto-ignition temperature : Not applicable.

10. STABILITY AND REACTIVITY

Stability : The product is stable.

Conditions to avoid : Keep away from heat, flame, sparks and other ignition sources.

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

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

11. TOXICOLOGICAL INFORMATION

Potential acute health effects

- Inhalation** : Not available.
- Ingestion** : Low acute oral toxicity. Exposure not probable with intended use.
- Skin contact** : No known significant effects or critical hazards.
- Eye contact** : No known significant effects or critical hazards.

Acute toxicity

Product/ingredient name	Species	Dose	Result	Exposure
Carbon black	Rabbit	>3 g/kg	LD50 Dermal	-
	Rat	>15400 mg/kg	LD50 Oral	-
W840 Toner Cartridge	Rat	>5000 mg/kg	LD50 Oral	-

Potential chronic health effects

- Chronic effects** : No known significant effects or critical hazards.
- Carcinogenicity** : **CARCINOGENIC EFFECTS:** Classified None. by NIOSH [Polyethylene]. Classified 3 (Not classifiable for humans.) by IARC [Polyethylene]. Classified + (Proven.) by NIOSH [Carbon black]. Classified 2B (Possible for humans.) by IARC [Carbon black]. Classified A4 (Not classifiable for humans or animals.) by ACGIH [Carbon black]. Classified 2B (Possible for humans.) by IARC [Titanium Dioxide]. Classified None. by NIOSH [Titanium Dioxide]. Classified A4 (Not classifiable for humans or animals.) by ACGIH [Titanium Dioxide].
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.

- Mutagenicity** : No known significant effects or critical hazards.
- Teratogenicity** : No known significant effects or critical hazards.
- Developmental effects** : No known significant effects or critical hazards.
- Fertility effects** : No known significant effects or critical hazards.

Over-exposure signs/symptoms

- Inhalation** : No specific data.
- Ingestion** : No specific data.
- Skin** : No specific data.
- Eyes** : No specific data.

- Target organs** : Contains material which may cause damage to the following organs: lungs, upper respiratory tract, skin, eyes.

- Other adverse effects** : Exposure to high airborne dust concentrations, including toner, may aggravate existing respiratory conditions.

12. ECOLOGICAL INFORMATION

- Environmental effects** : No known significant effects or critical hazards.

Product/ingredient name	Species	Exposure	Result
Titanium Dioxide	Daphnia	48 hours	Acute EC50 >1000000 ug/L
	Fish	96 hours	Acute LC50 >1000000 ug/L
	Daphnia	48 hours	Chronic NOEC 1 ppm

- Conclusion/Summary** : Not available.
- Other adverse effects** : No known significant effects or critical hazards.

13. DISPOSAL CONSIDERATIONS

Hazardous waste : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

14. TRANSPORT INFORMATION

International transport regulations

ADR/RID / IMDG / IATA Classes : Not regulated.

15. REGULATORY INFORMATION

EU regulations

Classification and labeling have been determined according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and take into account the intended product use.

Risk phrases : This product is not classified according to EU legislation.

Product use : Consumer applications, Industrial applications.

Europe inventory : 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.

Other EU regulations

Additional warning phrases : Safety data sheet available for professional user on request.

International regulations lists

TSCA (USA) (United States) : All ingredients are listed on the Toxic Substances Control Act (TSCA) inventory, have been registered, 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.

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.

DSL/NDSL (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.

16. OTHER INFORMATION

History

Date of issue : 30 January 2010

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.