

SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: US OSHA Hazard Communication Standard 2024 (29 CFR 1910.1200) and Canada Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR), as amended

SDS # : A-10745

Toner Black, Cyan, Magenta, Yellow

Issuing Date 15-Oct-2025

Revision date 17-Dec-2025

Revision Number 1

1. Identification**Product identifier****Product Name**

Toner for Lexmark CS921, Lexmark CS923, Lexmark CS927, Lexmark CX920, Lexmark CX921, Lexmark CX922, Lexmark CX923, Lexmark CX924, Lexmark XC9225, Lexmark XC9235, Lexmark XC9245, Lexmark XC9255, Lexmark XC9265

Part no.

24B6842, 24B6843, 24B6844, 24B6845, 24B6846, 24B6847, 24B6848, 24B6849, 76C00K0, 76C00C0, 76C00M0, 76C00Y0, 76C0HK0, 76C0HC0, 76C0HM0, 76C0HY0, 86C0HK0

Other means of identification**Color**

Black, Cyan, Magenta, Yellow

Pure substance/mixture

Mixture

Synonyms

None

Recommended use of the chemical and restrictions on use**Recommended use**

Printing

Restrictions on use

No information available.

Details of the supplier of the safety data sheet**Manufacturer Address**

Lexmark International, Inc.
A Subsidiary of Xerox Corporation
740 West New Circle Road
Lexington, Kentucky 40550

Lexmark Canada
2 Sheppard Avenue East, Suite 200
Toronto, Ontario, M2N 5Y7

Emergency telephone number**Initial supplier phone number**

1-800-539-6275 (U.S. & Canada)

Emergency Telephone

Safety Information US: (800) 275-9376
Chemical Emergency only (Chemtrec) (800) 424-9300

E-mail address

adam.toth@lexmark.com

For the most current document

https://www.lexmark.com/en_us/supplies-and-parts/printer-supplies-finder/material-safety-data-sheets.html

2. Hazard(s) identification

Classification

This product is not considered hazardous by either the US OSHA Hazard Communication Standard 2024, or Canada Hazardous Products Act (HPA) and Hazardous Products Regulation (HPR), as amended.

Label elements

Not classified

Hazard statements

No hazard statements required.

Other information

May form explosible dust-air mixture if dispersed.

3. Composition/information on ingredients

Substance

Not applicable.

Mixture

Chemical name	CAS No.	Weight-%	GHS Classification
Styrene/acrylate resin	Trade secret	65-85	--
Wax	Trade secret	1-10	--
Manganese oxide	1344-43-0	1-10	--
Iron oxide	1309-37-1	1-10	--
Carbon black	1333-86-4	0-10	--
Yellow pigment	Trade secret	0-10	--
Magenta pigment	Trade secret	0-10	--
Cyan Pigment	147-14-8	0-10	--
Titanium dioxide	13463-67-7	<1	--

Full text of H- and EUH-phrases: see section 16

Note

"--" indicates no classification or hazard statements apply.

4. First-aid measures

Description of first aid measures

General advice

For external use only. Get medical attention if irritation or other symptoms occur. Show this safety data sheet to the doctor in attendance.

Inhalation

Remove to fresh air.

Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin contact	Wash skin with soap and water.
Ingestion	Rinse mouth.

Most important symptoms and effects, both acute and delayed

Symptoms	Dust irritates eyes and air passages.
Effects of Exposure	No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians	Treat symptomatically.
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5. Fire-fighting measures

Suitable Extinguishing Media	Use water spray or fog; do not use straight streams.
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.
Specific hazards arising from the chemical	Fine dust dispersed in air may ignite.
Hazardous combustion products	Hazardous decomposition products due to incomplete combustion. Carbon dioxide (CO ₂). Nitrogen oxides (NO _x).
Explosion data	
Sensitivity to mechanical impact	None.
Sensitivity to static discharge	None.
Special protective equipment and precautions for fire-fighters	In the event of fire and/or explosion do not breathe fumes. Wear fire/flame resistant/retardant clothing. Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Personal precautions	Avoid generation of dust. Ensure adequate ventilation.
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Methods and material for containment and cleaning up

Methods for containment	Prevent further leakage or spillage if safe to do so. Prevent dust cloud.
Methods for cleaning up	Take up mechanically, placing in appropriate containers for disposal.
Prevention of secondary hazards	Clean contaminated objects and areas thoroughly observing environmental regulations.
Reference to other sections	See section 8 for more information

See section 16 for more information

7. Handling and storage

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

8. Exposure controls/personal protection

Control Parameters

Exposure Limits

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Manganese oxide	TWA: 0.02 mg/m ³ Mn respirable particulate matter TWA: 0.1 mg/m ³ Mn inhalable particulate matter	Ceiling: 5 mg/m ³ Mn (vacated) Ceiling: 5 mg/m ³	TWA: 1 mg/m ³ ; Mn STEL: 3 mg/m ³ Mn IDLH: 500 mg/m ³ Mn
Iron oxide	TWA: 5 mg/m ³ respirable particulate matter	TWA: 10 mg/m ³ fume TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 10 mg/m ³ fume and total dust Iron oxide (vacated) TWA: 5 mg/m ³ respirable fraction regulated under Rouge	TWA: 5 mg/m ³ ; Fe dust and fume IDLH: 2500 mg/m ³ Fe dust and fume
Carbon black	TWA: 3 mg/m ³ inhalable particulate matter	TWA: 3.5 mg/m ³ (vacated) TWA: 3.5 mg/m ³	TWA: 3.5 mg/m ³ ; TWA: 0.1 mg/m ³ ; Carbon black in presence of Polycyclic aromatic hydrocarbons PAH IDLH: 1750 mg/m ³
Cyan Pigment	TWA: 1 mg/m ³ Cu dust and mist	-	TWA: 1 mg/m ³ ; Cu dust and mist IDLH: 100 mg/m ³ Cu dust and mist
Titanium dioxide	TWA: 0.2 mg/m ³ nanoscale respirable particulate matter TWA: 2.5 mg/m ³ finescale respirable particulate matter	TWA: 15 mg/m ³ total dust (vacated) TWA: 10 mg/m ³ total dust	TWA: 2.4 mg/m ³ ; CIB 63 fine TWA: 0.3 mg/m ³ ; CIB 63 ultrafine, including engineered nanoscale IDLH: 5000 mg/m ³

Chemical name	Alberta	British Columbia	Ontario	Quebec
Manganese oxide	TWA: 0.2 mg/m ³ ;	TWA: 0.02 mg/m ³ ; respirable TWA: 0.1 mg/m ³ ; inhalable Adverse reproductive effect	TWA: 0.02 mg/m ³ ; respirable particulate matter TWA: 0.1 mg/m ³ ; inhalable particulate matter	TWAEV: 0.2 mg/m ³ ; inhalable aerosol fraction TWAEV: 0.05 mg/m ³ ; respirable aerosol fraction

Iron oxide	TWA: 5 mg/m ³ ; respirable	TWA: 10 mg/m ³ ; total particulate TWA: 3 mg/m ³ ; respirable particulate TWA: 5 mg/m ³ ; dust and fume STEL: 10 mg/m ³ ; fume	TWA: 5 mg/m ³ ; respirable particulate matter	TWAEV: 5 mg/m ³ ; dust and fume
Carbon black	TWA: 3.5 mg/m ³ ;	TWA: 3 mg/m ³ ; inhalable	TWA: 3 mg/m ³ ; inhalable particulate matter	TWAEV: 3 mg/m ³ ; inhalable dust
Titanium dioxide	TWA: 10 mg/m ³ ;	TWA: 10 mg/m ³ ; total dust TWA: 3 mg/m ³ ; respirable fraction	TWA: 10 mg/m ³ ;	TWAEV: 10 mg/m ³ ; total dust

Chemical name	Manitoba	New Brunswick	Newfoundland and Labrador	Nova Scotia
Manganese oxide	TWA: 0.02 mg/m ³ ; respirable particulate matter TWA: 0.1 mg/m ³ ; inhalable particulate matter	TWA: 0.02 mg/m ³ ; respirable fraction TWA: 0.1 mg/m ³ ; inhalable fraction	TWA: 0.02 mg/m ³ ; respirable particulate matter TWA: 0.1 mg/m ³ ; inhalable particulate matter	TWA: 0.02 mg/m ³ ; respirable particulate matter TWA: 0.1 mg/m ³ ; inhalable particulate matter
Iron oxide	TWA: 5 mg/m ³ ; respirable particulate matter	TWA: 5 mg/m ³ ; respirable fraction	TWA: 5 mg/m ³ ; respirable particulate matter	TWA: 5 mg/m ³ ; respirable particulate matter
Carbon black	TWA: 3 mg/m ³ ; inhalable particulate matter	TWA: 3 mg/m ³ ; inhalable fraction	TWA: 3 mg/m ³ ; inhalable particulate matter	TWA: 3 mg/m ³ ; inhalable particulate matter
Cyan Pigment	TWA: 1 mg/m ³ ; dust and mist	TWA: 1 mg/m ³ ; dust and mist	TWA: 1 mg/m ³ ; dust and mist	TWA: 1 mg/m ³ ; dust and mist
Titanium dioxide	TWA: 0.2 mg/m ³ ; nanoscale respirable particulate matter TWA: 2.5 mg/m ³ ; finescale respirable particulate matter	TWA: 10 mg/m ³ ;	TWA: 0.2 mg/m ³ ; nanoscale respirable particulate matter TWA: 2.5 mg/m ³ ; finescale respirable particulate matter	TWA: 0.2 mg/m ³ ; nanoscale respirable particulate matter TWA: 2.5 mg/m ³ ; finescale respirable particulate matter

Chemical name	Nunavut	Prince Edward Island	Saskatchewan	Yukon
Manganese oxide	TWA: 0.2 mg/m ³ ; STEL: 0.6 mg/m ³ ;	TWA: 0.02 mg/m ³ ; respirable particulate matter TWA: 0.1 mg/m ³ ; inhalable particulate matter	TWA: 0.2 mg/m ³ ; STEL: 0.6 mg/m ³ ;	Ceiling: 5 mg/m ³ ;
Iron oxide	TWA: 5 mg/m ³ ; dust and fume TWA: 10 mg/m ³ ; STEL: 10 mg/m ³ ; dust and fume STEL: 20 mg/m ³ ;	TWA: 5 mg/m ³ ; respirable particulate matter	TWA: 5 mg/m ³ ; dust and fume TWA: 10 mg/m ³ ; STEL: 10 mg/m ³ ; dust and fume STEL: 20 mg/m ³ ;	TWA: 5 mg/m ³ ; fume TWA: 30 mppcf; TWA: 10 mg/m ³ ; STEL: 10 mg/m ³ ; fume STEL: 20 mg/m ³ ;
Carbon black	TWA: 3.5 mg/m ³ ; STEL: 7 mg/m ³ ;	TWA: 3 mg/m ³ ; inhalable particulate matter	TWA: 3.5 mg/m ³ ; STEL: 7 mg/m ³ ;	TWA: 3.5 mg/m ³ ; STEL: 7 mg/m ³ ;

Chemical name	Nunavut	Prince Edward Island	Saskatchewan	Yukon
Cyan Pigment		TWA: 1 mg/m ³ ; dust and mist		
Titanium dioxide	TWA: 10 mg/m ³ ; STEL: 20 mg/m ³ ;	TWA: 0.2 mg/m ³ ; nanoscale respirable particulate matter TWA: 2.5 mg/m ³ ; finescale respirable particulate matter	TWA: 10 mg/m ³ ; STEL: 20 mg/m ³ ;	TWA: 30 mppcf; TWA: 10 mg/m ³ ; STEL: 20 mg/m ³ ;

Biological occupational exposure limits

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering controls None under normal use conditions.

Individual protection measures, such as personal protective equipment

Eye/face protection No special protective equipment required.

Hand protection No special protective equipment required.

Skin and body protection No special protective equipment required.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Environmental exposure controls Do not allow into any sewer, on the ground or into any body of water.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

Thermal hazards None under normal processing.

9. Physical and chemical properties**Information on basic physical and chemical properties**

Physical state Solid
Color Black, Cyan, Magenta, Yellow
Odor (includes odor threshold) Faint

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
Melting point / freezing point	Not applicable	None known
Boiling point (or initial boiling point or boiling range)	Not applicable	None known
Flammability	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive limits	Not flammable	
Lower flammability or explosive limits	Not flammable	
Flash point	Not applicable	None known
Autoignition temperature	Not applicable	None known
Decomposition temperature	Not applicable	None known

SADT (°C)	No data available	None known
pH	Not applicable	None known
pH (as aqueous solution)	No data available	None known
Kinematic viscosity	Not applicable	None known
Dynamic viscosity	Not applicable	None known
Solubility	No data available	None known
Water solubility	Negligible	None known
Partition coefficient n-octanol/water (log value)	Not applicable	None known
Vapor pressure (includes evaporation rate)	Not applicable	None known
Evaporation rate	Not applicable	None known
Density and/or relative density	Not applicable	None known
Bulk density	Not applicable	
Liquid Density	Not applicable	
Relative vapor density	Not applicable	None known
Particle characteristics		None known
Particle Size	No data available	
Particle Size Distribution	No data available	

Other information

VOC content	None
Softening point	49 - 60 °C / 120 - 140 °F

Information with regard to physical hazard classes

Explosive properties	Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard
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10. Stability and reactivity

Reactivity	No dangerous reaction known under conditions of normal use.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	Generation/formation of dust.
Incompatible materials	None known based on information supplied.
Hazardous decomposition products	None under normal use conditions.

11. Toxicological information

Note: The toxicity data noted below is based on the test results of similar reprographic materials.

Information on likely routes of exposure

Product Information	.
Inhalation	No known effects under normal use conditions.
Eye contact	No hazard from product as supplied.
Skin contact	No known effects under normal use conditions.
Ingestion	No hazard from product as supplied.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Acute toxicity .

Numerical measures of toxicity

The following ATE values have been calculated for the mixture

ATEmix (oral)	21,017.60 mg/kg
ATEmix (dermal)	23,255.80 mg/kg
ATEmix (inhalation-gas)	99,999.00 ppm
ATEmix (inhalation-vapor)	99,999.00 mg/L

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Manganese oxide	> 2000 mg/kg (Rat)	-	> 5.35 mg/L (Rat) 4 h
Iron oxide	> 10000 mg/kg (Rat)	-	-
Carbon black	> 10000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 4.6 mg/m ³ (Rat) 4 h
Cyan Pigment	> 6400 mg/kg (Rat)	> 5000 mg/kg (Rat)	-
Titanium dioxide	> 2000 mg/kg (Rat)	-	> 5.09 mg/L (Rat) 4 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitization Based on available data, the classification criteria are not met.

Germ cell mutagenicity Not mutagenic in AMES Test.

Carcinogenicity The IARC (International Agency for Research on Cancer) has listed carbon black as "possibly carcinogenic to humans". However, We have concluded that the presence of carbon black in this mixture does not present a health hazard. The IARC classification is based on studies evaluating pure, "free" carbon black. In contrast, toner is a formulation composed of specially prepared polymer and a small amount of carbon black (or other pigment). In the process of making toner, the small amount of carbon black becomes encapsulated within a matrix. We have performed extensive testing of toner, including a chronic bioassay (test for potential carcinogenicity). Exposure to toner did not produce evidence of cancer in exposed animals. The results were submitted to regulatory agencies and published extensively.

The IARC (International Agency for Research on Cancer) has listed titanium dioxide as "possibly carcinogenic to humans". However, we have concluded that the presence of titanium dioxide in this mixture does not present a health hazard. The IARC classification is based on studies in rats using high concentrations of pure, unbound TiO₂ particles of respirable size. Epidemiological studies do not suggest a carcinogenic effect in humans. In addition, the titanium dioxide in this mixture is encapsulated in a matrix or bound to the surface of the toner.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
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Manganese oxide	A4 - Not classifiable as a human carcinogen	-	-	-
Iron oxide	A4 - Not classifiable as a human carcinogen	Group 3 - Not classifiable as to its carcinogenicity to humans	-	-
Carbon black	A3 - Confirmed animal carcinogen (with unknown relevance to humans)	Group 2B - Possibly carcinogenic to humans	-	Present
Titanium dioxide	A3 - Confirmed animal carcinogen (with unknown relevance to humans)	Group 2B - Possibly carcinogenic to humans	-	Present

Reproductive toxicity This product does not contain any known or suspected reproductive hazards.

STOT - single exposure Based on available data, the classification criteria are not met.

STOT - repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

Other adverse effects Although toner is not an aquatic toxin, microplastics may be a physical hazard to aquatic life and should not be allowed to enter drains, sewers, or waterways.

12. Ecological information

Ecotoxicity Not considered to be harmful to aquatic life.

Aquatic ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Iron oxide	-	LC50: =100000mg/L (96h, Danio rerio)	-	-

Terrestrial ecotoxicity Based on available data, the classification criteria are not met.

Persistence and degradability Not readily biodegradable.

Bioaccumulative potential

Chemical name	Partition coefficient	Bioconcentration factor (BCF)	Trophic magnification factor (TMF)
Cyan Pigment	6.6	11	-

Mobility in soil The product is insoluble and floats on water.

Other adverse effects No information available.

Endocrine disrupting properties This mixture does not contain any substance that has endocrine disrupting properties with respect to non-target organisms.

13. Disposal considerations

Disposal methods

Waste from residues/unused products Can be landfilled or incinerated, when in compliance with local regulations.

Contaminated packaging Dispose of contents/containers in accordance with local regulations.

California waste information This product contains one or more substances that are listed with the State of California as a hazardous waste.

Other information Although toner is not an aquatic toxin, microplastics may be a physical hazard to aquatic life and should not be allowed to enter drains, sewers, or waterways. Do Not Pour Product Down the Drain; Do Not Rinse the Container Before Disposal.

14. Transport information

Note: This material is not subject to regulation as a hazardous material for shipping

DOT Not regulated

IATA Not regulated

IMDG Not regulated

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

International Inventories

TSCA Listed / Active or Exempt.

Chemical name	CAS No.	Inventory Listing Status	Commercial Activity Designation
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Chemical name	CAS No.	Inventory Listing Status	Commercial Activity Designation
Styrene/acrylate resin	-	-	Unknown *
Wax	-	-	Unknown *
Iron oxide	1309-37-1	Present	Active
Carbon black	1333-86-4	Present	Active
Manganese oxide	1344-43-0	Present	Active
Magenta pigment	-	-	Unknown *
Yellow pigment	-	-	Unknown *
Cyan Pigment	147-14-8	Present	Active
Titanium dioxide	13463-67-7	Present	Active

*Contact supplier for details. One or more substances in this product are either not listed on the US TSCA inventory, listed on the confidential US TSCA inventory or are otherwise exempted from inventory listing requirements.

DSL/NDL	Complies.
EINECS/ELINCS	Complies.
ENCS	Complies.
IECSC	Contact supplier for inventory compliance status.
KECL	Contact supplier for inventory compliance status.
PICCS	Contact supplier for inventory compliance status.
AIIC	Contact supplier for inventory compliance status.
NZIoC	Contact supplier for inventory compliance status.
TCSI	Contact supplier for inventory compliance status.

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing Chemicals Inventory

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AIIC - Australian Inventory of Industrial Chemicals

NZIoC - New Zealand Inventory of Chemicals

TCSI - Taiwan Chemical Substance Inventory

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical name	SARA 313 - Threshold Values %
Manganese oxide	1.0
Cyan Pigment	1.0

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
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Cyan Pigment	-	X	-	-
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CAA (Clean Air Act)

This product contains the following substances which are regulated pollutants to the Clean Air Act (CAA).

Chemical name	Hazardous air pollutants (HAPs)	Ozone-depleting substances (ODS)
Manganese oxide (1-10)	Present	-

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations**California Proposition 65**

This product contains the following Proposition 65 chemicals:

Carbon black is regulated under California Proposition 65 only if in the form of "airborne, unbound particles of respirable size". Toner products do not contain carbon black in the form of "airborne, unbound particles of respirable size". Therefore, the requirements of Proposition 65 do not apply to this product.

Titanium dioxide is regulated under California Proposition 65 only if a product results in exposure in the form of "airborne, unbound particles of respirable size". Toner products do not result in exposure to titanium dioxide in the form of "airborne, unbound particles of respirable size". Therefore, the requirements of Proposition 65 do not apply to this product.

Chemical name	California Proposition 65
Carbon black	Carcinogen
Titanium dioxide	Carcinogen

U.S. State Right-to-Know Regulations

Although this product contains substances included in some U.S. State Right-to-Know regulations, the particles are bound in a unique matrix and, therefore, the product does not pose any specific hazard.

Chemical name	New Jersey	Massachusetts	Pennsylvania
Iron oxide	X	X	X
Carbon black	X	X	X
Manganese oxide	X	-	X
Cyan Pigment	X	-	X
Titanium dioxide	X	X	X

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. Other information

NFPA	Health hazards 0	Flammability 0	Instability 0	Special hazards -
HMIS	Health hazards 0	Flammability 0	Physical hazards 0	Personal protection X

Key or legend to abbreviations and acronyms used in the safety data sheet

List may include phrases which are not applicable to this product

ACGIH	American Conference of Governmental Industrial Hygienists
ADN	Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

	(Europe)
ADR	Agreement concerning the International Carriage of Dangerous Goods by Road (Europe)
AIIC	Australian Inventory of Industrial Chemicals
ATE	Acute Toxicity Estimate
ASTM	American Society for the Testing of Materials
bar	Biological Reference Values for Chemical Compounds in the Work Area
BAT	Biological tolerance values for occupational exposure
BEL	Biological exposure limits
bw	Body weight
Ceiling	Maximum limit value
CMR	Carcinogen, Mutagen or Reproductive Toxicant
DOT	Department of Transportation (United States)
DSL	Domestic Substances List (Canada)
EmS	Emergency Schedule
ENCS	Existing and New Chemical Substances (Japan)
EPA	U.S. Environmental Protection Agency
GHS	Globally Harmonized System
HMIS	Hazardous Materials Identification System
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IBC	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ICAO	International Civil Aviation Organization
IECSC	Inventory of Existing Chemical Substances in China
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
ISO	International Organization for Standardization
KECI	Korean Existing Chemicals Inventory
LC50	Lethal Concentration to 50% of a test population
LD50	Lethal Dose to 50% of a test population (Median Lethal Dose)
MARPOL	International Convention for the Prevention of Pollution from Ships
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
n.o.s.	Not Otherwise Specified
NOAEC	No Observed Adverse Effect Concentration
NOAEL	No Observed Adverse Effect Level
NOELR	No Observable Effect Loading Rate
NTP	National Toxicology Program (United States)
NZIoC	New Zealand Inventory of Chemicals
OECD	Organization for Economic Cooperation and Development
OEL	Occupational exposure limits
OSHA	Occupational Safety and Health Administration of the US Department of Labor
PBT	Persistent, Bioaccumulative and Toxic substance
PICCS	Philippines Inventory of Chemicals and Chemical Substances
PMT	Persistent, Mobile and Toxic
PPE	Personal protective equipment
QSAR	Quantitative Structure Activity Relationship
RID	Agreement concerning the International Carriage of Dangerous Goods by Rail (Europe)
SADT	Self-Accelerating Decomposition Temperature
SAR	Structure-activity relationship
SARA	Superfund Amendments and Reauthorization Act
SDS	Safety Data Sheet
SL	Surface Limit
STEL	Short Term Exposure Limit
STOT RE	Specific target organ toxicity - Repeated exposure

STOT SE	Specific target organ toxicity - Single exposure
TCSI	Taiwan Chemical Substance Inventory
TDG	Transport of Dangerous Goods (Canada)
TSCA	Toxic Substances Control Act (United States)
TWA	Time-Weighted Average
UN	United Nations
VOC	Volatile organic compounds
vPvB	Very Persistent and Very Bioaccumulative
vPvM	Very Persistent and Very Mobile
As	Allergenic substance
DS	Dermal Sensitizer
Ot	Ototoxicant
pOt	Ototoxicant - potential to cause hearing disorders
PS	Photosensitizer
RS	Respiratory Sensitizer
S	Sensitizer
poS	Sensitizer - capable of causing occupational asthma
Sa	Simple asphyxiant
Sd	Skin designation
pSd	Skin designation - potential for cutaneous absorption
Sdv	Skin designation - vacated
Sk	Skin notation
dSk	Skin notation - danger of cutaneous absorption
pSk	Skin notation - potential for cutaneous absorption

Key literature references and sources for data used to compile the SDS

U.S. Agency for Toxic Substances and Disease Registry (ATSDR)
 U.S. Environmental Protection Agency ChemView Database
 European Food Safety Authority (EFSA)
 U.S. Environmental Protection Agency
 Acute Exposure Guideline Level(s) (AEGL(s))
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
 U.S. Environmental Protection Agency High Production Volume Chemicals
 Food Research Journal
 Hazardous Substance Database
 International Uniform Chemical Information Database (IUCLID)
 Japan National Institute of Technology and Evaluation (NITE)
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
 NIOSH (National Institute for Occupational Safety and Health)
 National Library of Medicine's ChemID Plus (NLM CIP)
 National Library of Medicine's PubMed database (NLM PUBMED)
 U.S. National Toxicology Program (NTP)
 New Zealand's Chemical Classification and Information Database (CCID)
 International Organization for Economic Co-operation and Development (OECD) Environment, Health, and Safety Publications
 International Organization for Economic Co-operation and Development (OECD) High Production Volume Chemicals Program
 International Organization for Economic Co-operation and Development (OECD) Screening Information Data Set
 United Nations World Health Organization (WHO)

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End of Safety Data Sheet