

**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-10736

**Toner Black, Cyan, Magenta, Yellow**

Issuing Date 13-Oct-2025

Revision date 08-Apr-2026

Revision Number 3

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

Toner for Lexmark C2335, Lexmark C4342, Lexmark C4352, Lexmark CS531, Lexmark CS632, Lexmark CS639, Lexmark CS730, Lexmark CS735, Lexmark CS737, Lexmark CS963, Lexmark CX532, Lexmark CX635, Lexmark CX730, Lexmark CX735, Lexmark CX737, Lexmark CX833, Lexmark CX950, Lexmark CX961, Lexmark CX962, Lexmark CX963, Lexmark MX951, Lexmark MX953, Lexmark XC2335, Lexmark XC2342, Lexmark XC4342, Lexmark XC4352, Lexmark XC8355, Lexmark XC9525, Lexmark XC9535, Lexmark XC9635, Lexmark XC9645, Lexmark XC9655

**Part no.**

24B7514, 24B7518, 24B7560, 47C0285, 47C0289, 71C00KG, 71C0H10, 71C0HKG, 71C10K0, 71C1HK0, 71C20K0, 71C2HK0, 71C80K0, 71C8HK0, 81C0X10, 81C0XKG, 81C1XK0, 81C2XK0, 81C8XK0, 24B7511, 24B7515, 24B7557, 47C0281, 47C0286, 71C00CG, 71C0H20, 71C0HCG, 71C0X20, 71C0XCG, 71C10C0, 71C1HC0, 71C1XC0, 71C20C0, 71C2HC0, 71C2XC0, 71C80C0, 71C8HC0, 71C8XC0, 81C0X20, 81C0XCG, 81C1XC0, 81C2XC0, 81C8XC0, 24B7512, 24B7516, 24B7558, 47C0282, 47C0287, 71C00MG, 71C0H30, 71C0HMG, 71C0X30, 71C0XMG, 71C10M0, 71C1HM0, 71C1XM0, 71C20M0, 71C2HM0, 71C2XM0, 71C80M0, 71C8HM0, 71C8XM0, 81C0X30, 81C0XMG, 81C1XM0, 81C2XM0, 81C8XM0, 24B7513, 24B7517, 24B7559, 47C0284, 47C0288, 71C00YG, 71C0H40, 71C0HYG, 71C0X40, 71C0XYG, 71C10Y0, 71C1HY0, 71C1XY0, 71C20Y0, 71C2HY0, 71C2XY0, 71C80Y0, 71C8HY0, 71C8XY0, 81C0X40, 81C0XYG, 81C1XY0, 81C2XY0, 81C8XY0, 24B7540, 24B7552, 24B7556, 50M0206, 75M00KG, 75M0H10, 75M0HKG, 75M0X10, 75M0XKG, 75M10K0, 75M1HK0, 75M1XK0, 75M20K0, 75M2HK0, 75M2XK0, 75M30K0, 75M30KK, 75M3HK0, 75M3XK0, 75M3XKK, 75M40K0, 75M4HK0, 75M4XK0, 75M50K0, 75M5HK0, 75M5XK0, 24B7537, 24B7549, 24B7553, 50M0203, 75M00CG, 75M0H20, 75M0HCG, 75M0X20, 75M0XCG, 75M10C0, 75M1HC0, 75M1XC0, 75M20C0, 75M2HC0, 75M2XC0, 75M30C0, 75M30CK, 75M3HC0, 75M3XC0, 75M3XCK, 75M40C0, 75M4HC0, 75M4XC0, 75M50C0, 75M5HC0, 75M5XC0, 24B7538, 24B7550, 24B7554, 50M0204, 75M00MG, 75M0H30, 75M0HMG, 75M0X30, 75M0XMG, 75M10M0, 75M1HM0, 75M1XM0, 75M20M0, 75M2HM0, 75M2XM0, 75M30M0, 75M30MK, 75M3HM0, 75M3XM0, 75M3XMK, 75M40M0, 75M4HM0, 75M4XM0, 75M50M0, 75M5HM0,

75M5XM0, 24B7539, 24B7551, 24B7555, 50M0205, 75M00YG, 75M0H40, 75M0HYG, 75M0X40, 75M0XYG, 75M10Y0, 75M1HY0, 75M1XY0, 75M20Y0, 75M2HY0, 75M2XY0, 75M30Y0, 75M30YK, 75M3HY0, 75M3XY0, 75M3XYK, 75M40Y0, 75M4HY0, 75M4XY0, 75M50Y0, 75M5HY0, 75M5XY0, 24B7573, 24B7577, 24B7581, 24B7585, 24B7605, 24B7609, 77L00KG, 77L0H10, 77L0HKG, 77L10K0, 77L1HK0, 77L20K0, 77L2HK0, 77L30K0, 77L3HK0, 77L40K0, 77L4HK0, 77L50K0, 77L5HK0, 79L0H10, 79L0HKG, 79L1HK0, 79L2HK0, 79L3HK0, 79L4HK0, 79L5HK0, 24B7570, 24B7574, 24B7578, 24B7582, 24B7602, 24B7606, 77L00CG, 77L0H20, 77L0HCG, 77L10C0, 77L1HC0, 77L20C0, 77L2HC0, 77L30C0, 77L3HC0, 77L40C0, 77L4HC0, 77L50C0, 77L5HC0, 79L0H20, 79L0HCG, 79L1HC0, 79L2HC0, 79L3HC0, 79L4HC0, 24B7571, 24B7575, 24B7579, 24B7583, 24B7603, 24B7607, 77L00MG, 77L0H30, 77L0HMG, 77L10M0, 77L1HM0, 77L20M0, 77L2HM0, 77L30M0, 77L3HM0, 77L40M0, 77L4HM0, 77L50M0, 77L5HM0, 79L0H30, 79L0HMG, 79L1HM0, 79L2HM0, 79L3HM0, 79L4HM0, 79L5HM0, 24B7572, 24B7576, 24B7580, 24B7584, 24B7604, 24B7608, 77L00YG, 77L0H40, 77L0HYG, 77L10Y0, 77L1HY0, 77L20Y0, 77L2HY0, 77L30Y0, 77L3HY0, 77L40Y0, 77L4HY0, 77L50Y0, 77L5HY0, 79L0H40, 79L0HYG, 79L1HY0, 79L2HY0, 79L3HY0, 79L4HY0, 79L5HY0, 77L30K0, 77L30C0, 77L30M0, 77L30Y0, 79L3HK0, 79L3HC0, 79L3HM0, 79L3HY0, 77L91K0, 77L91C0, 77L91M0, 77L91Y0, 79L9HK0, 79L9HC0, 79L9HM0, 79L9HY0, 24B7620, 24B7621, 24B7622, 24B7623, 75M0W00, 75M0Z10, 75M0Z50, 75M0ZK0, 75M0ZV0

**Other means of identification**

|                               |                              |
|-------------------------------|------------------------------|
| <b>Color</b>                  | Black, Cyan, Magenta, Yellow |
| <b>Pure substance/mixture</b> | Mixture                      |
| <b>Synonyms</b>               | None                         |

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

|                            |                           |
|----------------------------|---------------------------|
| <b>Recommended use</b>     | Printing                  |
| <b>Restrictions on use</b> | 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 1200  
Toronto, Ontario, M2N 5Y7

**Emergency telephone number**

|                                      |                                                                                                                                                                                                                                   |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Initial supplier phone number</b> | 1-800-539-6275 (U.S. & Canada)                                                                                                                                                                                                    |
| <b>Emergency Telephone</b>           | Safety Information US: (800) 275-9376<br>Chemical Emergency only (Chemtrec) (800) 424-9300                                                                                                                                        |
| <b>E-mail address</b>                | adam.toth@lexmark.com                                                                                                                                                                                                             |
| <b>For the most current document</b> | <a href="https://www.lexmark.com/en_us/supplies-and-parts/prINTER-supplies-finder/material-safety-data-sheets.html">https://www.lexmark.com/en_us/supplies-and-parts/prINTER-supplies-finder/material-safety-data-sheets.html</a> |

**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 |
|------------------|--------------|----------|--------------------|
| Polyester resin  | Trade secret | 80-90    | --                 |
| Wax              | 8002-74-2    | 5-15     | --                 |
| Carbon black     | 1333-86-4    | 0-10     | --                 |
| Yellow Pigment   | Trade secret | 0-10     | -                  |
| Cyan Pigment     | 147-14-8     | 0-10     | -                  |
| Magenta pigment  | Trade secret | 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**

|                       |                                                                                                                                              |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General advice</b> | For external use only. Get medical attention if irritation or other symptoms occur. Show this safety data sheet to the doctor in attendance. |
| <b>Inhalation</b>     | Remove to fresh air.                                                                                                                         |
| <b>Eye contact</b>    | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.                         |
| <b>Skin contact</b>   | Wash skin with soap and water.                                                                                                               |
| <b>Ingestion</b>      | 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.

**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<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>).

**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.

**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                                                                                                                                                         |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Wax              | TWA: 2 mg/m <sup>3</sup> fume                                                                                                            | (vacated) TWA: 2 mg/m <sup>3</sup>                                                     | TWA: 2 mg/m <sup>3</sup> ; fume                                                                                                                               |
| Carbon black     | TWA: 3 mg/m <sup>3</sup> inhalable particulate matter                                                                                    | TWA: 3.5 mg/m <sup>3</sup><br>(vacated) TWA: 3.5 mg/m <sup>3</sup>                     | TWA: 3.5 mg/m <sup>3</sup> ;<br>TWA: 0.1 mg/m <sup>3</sup> ; Carbon black in presence of Polycyclic aromatic hydrocarbons PAH<br>IDLH: 1750 mg/m <sup>3</sup> |
| Cyan Pigment     | TWA: 1 mg/m <sup>3</sup> Cu dust and mist                                                                                                | -                                                                                      | TWA: 1 mg/m <sup>3</sup> ; Cu dust and mist<br>IDLH: 100 mg/m <sup>3</sup> Cu dust and mist                                                                   |
| Titanium dioxide | TWA: 0.2 mg/m <sup>3</sup> nanoscale respirable particulate matter<br>TWA: 2.5 mg/m <sup>3</sup> finescale respirable particulate matter | TWA: 15 mg/m <sup>3</sup> total dust<br>(vacated) TWA: 10 mg/m <sup>3</sup> total dust | TWA: 2.4 mg/m <sup>3</sup> ; CIB 63 fine<br>TWA: 0.3 mg/m <sup>3</sup> ; CIB 63 ultrafine, including engineered nanoscale<br>IDLH: 5000 mg/m <sup>3</sup>     |

| Chemical name    | Alberta                         | British Columbia                                                                            | Ontario                                                    | Quebec                                         |
|------------------|---------------------------------|---------------------------------------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------|
| Wax              | TWA: 2 mg/m <sup>3</sup> ; fume | TWA: 2 mg/m <sup>3</sup> ; fume                                                             | TWA: 2 mg/m <sup>3</sup> ; fume                            | TWAEV: 2 mg/m <sup>3</sup> ; fume              |
| Carbon black     | TWA: 3.5 mg/m <sup>3</sup> ;    | TWA: 3 mg/m <sup>3</sup> ;<br>inhalable                                                     | TWA: 3 mg/m <sup>3</sup> ;<br>inhalable particulate matter | TWAEV: 3 mg/m <sup>3</sup> ;<br>inhalable dust |
| Titanium dioxide | TWA: 10 mg/m <sup>3</sup> ;     | TWA: 10 mg/m <sup>3</sup> ; total dust<br>TWA: 3 mg/m <sup>3</sup> ;<br>respirable fraction | TWA: 10 mg/m <sup>3</sup> ;                                | TWAEV: 10 mg/m <sup>3</sup> ; total dust       |

| Chemical name    | Manitoba                                                                                                                                           | New Brunswick                                    | Newfoundland and Labrador                                                                                                                          | Nova Scotia                                                                                                                                        |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Wax              | TWA: 2 mg/m <sup>3</sup> ; fume                                                                                                                    | TWA: 2 mg/m <sup>3</sup> ; fume                  | TWA: 2 mg/m <sup>3</sup> ; fume                                                                                                                    | TWA: 2 mg/m <sup>3</sup> ; fume                                                                                                                    |
| Carbon black     | TWA: 3 mg/m <sup>3</sup> ;<br>inhalable particulate matter                                                                                         | TWA: 3 mg/m <sup>3</sup> ;<br>inhalable fraction | TWA: 3 mg/m <sup>3</sup> ;<br>inhalable particulate matter                                                                                         | TWA: 3 mg/m <sup>3</sup> ;<br>inhalable particulate matter                                                                                         |
| Cyan Pigment     | TWA: 1 mg/m <sup>3</sup> ; dust and mist                                                                                                           | TWA: 1 mg/m <sup>3</sup> ; dust and mist         | TWA: 1 mg/m <sup>3</sup> ; dust and mist                                                                                                           | TWA: 1 mg/m <sup>3</sup> ; dust and mist                                                                                                           |
| Titanium dioxide | TWA: 0.2 mg/m <sup>3</sup> ;<br>nanoscale respirable particulate matter<br>TWA: 2.5 mg/m <sup>3</sup> ;<br>finescale respirable particulate matter | TWA: 10 mg/m <sup>3</sup> ;                      | TWA: 0.2 mg/m <sup>3</sup> ;<br>nanoscale respirable particulate matter<br>TWA: 2.5 mg/m <sup>3</sup> ;<br>finescale respirable particulate matter | TWA: 0.2 mg/m <sup>3</sup> ;<br>nanoscale respirable particulate matter<br>TWA: 2.5 mg/m <sup>3</sup> ;<br>finescale respirable particulate matter |

| Chemical name    | Nunavut                                                     | Prince Edward Island                                                                                                                               | Saskatchewan                                                | Yukon                                                                         |
|------------------|-------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------------------------|
| Wax              | TWA: 2 mg/m <sup>3</sup> ;<br>STEL: 4 mg/m <sup>3</sup> ;   | TWA: 2 mg/m <sup>3</sup> ; fume                                                                                                                    | TWA: 2 mg/m <sup>3</sup> ;<br>STEL: 4 mg/m <sup>3</sup> ;   | TWA: 2 mg/m <sup>3</sup> ; fume<br>STEL: 6 mg/m <sup>3</sup> ; fume           |
| Carbon black     | TWA: 3.5 mg/m <sup>3</sup> ;<br>STEL: 7 mg/m <sup>3</sup> ; | TWA: 3 mg/m <sup>3</sup> ;<br>inhalable particulate matter                                                                                         | TWA: 3.5 mg/m <sup>3</sup> ;<br>STEL: 7 mg/m <sup>3</sup> ; | TWA: 3.5 mg/m <sup>3</sup> ;<br>STEL: 7 mg/m <sup>3</sup> ;                   |
| Cyan Pigment     |                                                             | TWA: 1 mg/m <sup>3</sup> ; dust and mist                                                                                                           |                                                             |                                                                               |
| Titanium dioxide | TWA: 10 mg/m <sup>3</sup> ;<br>STEL: 20 mg/m <sup>3</sup> ; | TWA: 0.2 mg/m <sup>3</sup> ;<br>nanoscale respirable particulate matter<br>TWA: 2.5 mg/m <sup>3</sup> ;<br>finescale respirable particulate matter | TWA: 10 mg/m <sup>3</sup> ;<br>STEL: 20 mg/m <sup>3</sup> ; | TWA: 30 mppcf;<br>TWA: 10 mg/m <sup>3</sup> ;<br>STEL: 20 mg/m <sup>3</sup> ; |

**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**

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

| <b><u>Property</u></b>                                           | <b><u>Values</u></b> | <b><u>Remarks • Method</u></b> |
|------------------------------------------------------------------|----------------------|--------------------------------|
| <b>Melting point / freezing point</b>                            | Not applicable       | None known                     |
| <b>Boiling point (or initial boiling point or boiling range)</b> | 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                        | 4 - 9 micron      |            |

**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 |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------|

**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. |
|------------|-----------------------------------------------|

|                     |                                               |
|---------------------|-----------------------------------------------|
| <b>Eye contact</b>  | No hazard from product as supplied.           |
| <b>Skin contact</b> | No known effects under normal use conditions. |
| <b>Ingestion</b>    | No hazard from product as supplied.           |

#### **Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** None known.

**Acute toxicity** .

#### **Numerical measures of toxicity**

The following ATE values have been calculated for the mixture

|                           |                |
|---------------------------|----------------|
| ATEmix (oral)             | 2,621.20 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                     |
|------------------|-----------------------|-------------------------|-------------------------------------|
| Wax              | > 5000 mg/kg ( Rat )  | > 3600 mg/kg ( Rabbit ) | -                                   |
| Carbon black     | > 10000 mg/kg ( Rat ) | > 2000 mg/kg ( Rabbit ) | > 4.6 mg/m <sup>3</sup> ( Rat ) 4 h |
| Cyan Pigment     | > 6400 mg/kg ( Rat )  | > 5000 mg/kg ( Rat )    | -                                   |
| Magenta pigment  | > 23 g/kg ( Rat )     | > 3000 mg/kg ( Rabbit ) | > 3.055 mg/L ( Rat ) 4 h            |
| 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 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 TiO<sub>2</sub> 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 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 table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical name    | ACGIH                                                               | IARC                                       | NTP | OSHA    |
|------------------|---------------------------------------------------------------------|--------------------------------------------|-----|---------|
| 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.

**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                            | -                                  |
| Magenta pigment | 2.2                   | -                             | -                                  |

**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

|                                            |                                                                                                                                                                                                                                                 |
|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Waste from residues/unused products</b> | Can be landfilled or incinerated, when in compliance with local regulations.                                                                                                                                                                    |
| <b>Contaminated packaging</b>              | Dispose of contents/containers in accordance with local regulations.                                                                                                                                                                            |
| <b>California waste information</b>        | This product contains one or more substances that are listed with the State of California as a hazardous waste.                                                                                                                                 |
| <b>Other information</b>                   | 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 |
|-----------------|-----------|--------------------------|---------------------------------|
| Polyester resin | -         | -                        | Unknown *                       |
| Wax             | 8002-74-2 | Present                  | Active                          |
| Carbon black    | 1333-86-4 | Present                  | Active                          |
| Yellow Pigment  | -         | Present                  | Active                          |

| Chemical name    | CAS No.    | Inventory Listing Status | Commercial Activity Designation |
|------------------|------------|--------------------------|---------------------------------|
| Cyan Pigment     | 147-14-8   | Present                  | Active                          |
| Magenta pigment  | -          | 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.

|                      |                                                   |
|----------------------|---------------------------------------------------|
| <b>DSL/NDL</b>       | Complies.                                         |
| <b>EINECS/ELINCS</b> | Complies.                                         |
| <b>ENCS</b>          | Complies.                                         |
| <b>IECSC</b>         | Contact supplier for inventory compliance status. |
| <b>KECL</b>          | Contact supplier for inventory compliance status. |
| <b>PICCS</b>         | Contact supplier for inventory compliance status. |
| <b>AIIC</b>          | Contact supplier for inventory compliance status. |
| <b>NZIoC</b>         | Contact supplier for inventory compliance status. |
| <b>TCSI</b>          | 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 % |
|---------------|-------------------------------|
| 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 |
|---------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Cyan Pigment  | -                           | X                      | -                         | -                          |

**CAA (Clean Air Act)**

This product does not contain any substances regulated as pollutants pursuant to Clean Air Act (CAA).

**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 |
|------------------|------------|---------------|--------------|
| Wax              | X          | X             | X            |
| Carbon black     | X          | 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**

|             |                         |                       |                           |                              |
|-------------|-------------------------|-----------------------|---------------------------|------------------------------|
| <b>NFPA</b> | <b>Health hazards</b> 0 | <b>Flammability</b> 0 | <b>Instability</b> 0      | <b>Special hazards</b> -     |
| <b>HMIS</b> | <b>Health hazards</b> 0 | <b>Flammability</b> 0 | <b>Physical hazards</b> 0 | <b>Personal protection</b> 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) (AEGLS)  
 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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Model(s) XC2342 added.

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**