

TK621K

Section 1. Chemical Product and Company Identification

Product Name **Black Toner For KM-C2030, KM-C3130**
 Manufacturer Kyocera Mita Corporation
 Address Kyocera Mita America, Inc.
 225 Sand Road
 Fairfield, NJ 07004
 Telephone Number (973)-808-8444
 Date February 02, 2005

Section 2. Composition/Information on Ingredients

Hazardous Components (Chemical Identity, Common Name/s)	OSHA PEL	ACGIH TLV	NOHSC	%
(CAS No. 1333-86-4) Carbon black	3.5mg/m ³	3.5mg/m ³		1-10
(Non Hazardous Ingredients)				
Styrene-acrylate copolymer	Not listed	Not listed	Not listed	80-90
Wax	Not listed	Not listed	Not listed	10-20
(CAS No. 7631-86-9) Amorphous silica	Not listed	Not listed	Not listed	1-10
Titanium compound	Not listed	Not listed	Not listed	1-10

Carbon Black-(CAS No. 1333-86-4)

NTP(USA): Not Listed; Symbol(EC): Not Listed; DFG-MAK(GER):III 3B; EEC No. 215-609-9;
 IARC Monographs: Group 2B; R-Phrase(EC): Not Listed; Worksafe-TWA(Austl): 3mg/m³

Section 3. Hazards Identification

Classification Not classified as dangerous.(1999/45/EC)

Most Important Hazards and Effects of the Products

For Human Health This toner is not classified as a human carcinogen.
 No symptoms expected with intended use.
 For the Environment No data is available on the adverse effects of this product on the environment.
 For Others None

Specific Hazards Dust explosion(like most finely divided organic powders).

Section 4. First Aid Measures

Symptoms of Overexposure	No symptoms expected with intended use.
Routes of Entry	Eye contact, inhalation, ingestion
Inhalation	Remove from exposure to fresh air. Seek medical treatment.
Skin Contact	Wash with soap and water. If irritation does occur, seek medical treatment.
Eye Contact	Do not rub eyes. Flush thoroughly with water and seek medical treatment. Do not attempt to manually remove anything stuck to eye(s).
Ingestion	Ingestion is not applicable route of entry for intended use. If irritation or discomfort occurs, seek medical treatment immediately.

Section 5. Fire Fighting Measures

Extinguishing Media	Water, Foam, CO ₂ or Dry Chemical.
Extinguishing Media To Avoid	Full water jet.
Special Fire Fighting Procedures	None.
Protection of Firefighters	Use self-contained breathing apparatus (SCBA).
Fire and Explosion Hazards	If dispersed in the air, like most finely divided organic powders, may be explosive mixture.

Section 6. Accidental Release Measures

Personal Precautions	No special precaution.
Environmental Precautions	No special precaution.
Method for Cleaning Up	Wipe off with paper or cloth. Do not use vacuum cleaner when a large amount released. It, like most finely divided organic powders, may create a dust cloud.

Section 7. Handling and Storage

Handling	Try not to disperse the particles. Avoid inhalation, ingestion, skin or eye contact. Keep away from children.
Storage	Store in a cool, dry and dark place. Keep container closed.
Incompatible Products	None

Section 8. Exposure Controls/Personal Protection

Exposure Guidelines	See Section 2								
Ventilation	None required under normal use.								
Personal Protection Equipment(s)	None required under normal use. For use other than normal customer-operating procedures (such as bulk material processing facilities), goggles and respirators may be required.								
Hygiene Measures	Wash hands after handling.								
Control Parameters (As total dust)	<table border="0" style="width: 100%;"> <tr> <td>OSHA-PEL</td> <td>15mg/m³</td> <td>ACGIH-TLV(USA)</td> <td>10mg/m³</td> </tr> <tr> <td>DFG-MAK (GER)</td> <td>4mg/m³</td> <td>Worksafe-TWA(Austl.)</td> <td>10mg/m³</td> </tr> </table>	OSHA-PEL	15mg/m ³	ACGIH-TLV(USA)	10mg/m ³	DFG-MAK (GER)	4mg/m ³	Worksafe-TWA(Austl.)	10mg/m ³
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Section 9. Physical and Chemical Properties

Appearance	Solid, Black fine powder
Odor	Odorless
Particle Size	6.5
PH/Boiling Point	Not applicable
Melting Point	No data available
Softening Point	125°C
Flash Point	Not applicable
Ignition Temperature	No data available
Explosion Properties	No data available
Vapor Pressure	Not applicable
Density (g/cm ³)	1.2
Solubility in water	Negligible
Oxidizing Properties	No data available
Partition Coefficient (n-Octanol/Water)	Not applicable

Section 10. Stability and Reactivity

Stability/Reactivity	Stable
Hazardous Decomposition Products	Dust explosion, like most finely divided organic powders.
Conditions to avoid	Electric discharge, throwing into fire.
Materials to avoid	Oxidizing materials.
Hazardous Decomposition Products	CO, CO ²

Section 11. Toxicological Information

Health Effects From Exposure	No symptoms expected with intended use.
Acute toxicity	
Inhalation, LC ₅₀ (mg/l)	>5.14(rat,4hour)(Based on data for other products with similar ingredients.) This was the highest attainable concentration.
Ingestion(oral), LD ₅₀ (mg/kg)	>2,000(rat)(Based on data for other products with similar ingredients.)
Dermal, LD ₅₀ (mg/kg)	No data available.
Eye irritation	Minimal irritant(rabbit)(Based on data for other products with similar ingredie
Skin irritation	Non-irritant(rabbit)(Based on data for other products with similar ingredients
Skin sensitization	Non sensitizatizer(guinea pig)(Based on data for other products with similar
Mutagenicity	Ames Test is Negative.(Based on data for other products with similar ingred

Chronic Toxicity or Long Term Toxicity

Prolonged inhalation of excessive dust may cause lung damage. It is attributed to "lung overloading", a generic response to excessive amounts of any dust retained in the lungs for a prolonged interval. Use of this product, as intended, does not result in the inhalation of excessive dust.

In a study in rats by chronic inhalation exposure to a typical toner, a mild to moderate degree of lung fibrosis was observed in 92% of the rats in the high concentration (16mg/m³) exposure group, and a minimal to mild degree of fibrosis was noted in 22% of the animal in the middle (4mg/m³) exposure group. But no pulmonary change was reported in the lowest (1mg/m³) exposure group, the most relevant level to potential human exposures.

Carcinogenicity

IARC Monographs/NTP (USA)/OSHA Regulated(USA): Not listed

In 1996, the IARC reevaluated carbon black as a Group 2B carcinogen (possible human carcinogen). This evaluation is given to carbon black for which there is inadequate human evidence, but sufficient animal evidence. The latter is based upon the development of lung tumors in rat receiving chronic inhalation exposures to free carbon black at level that induce particle overload of the lung.

Studies performed in animal models other than rats have not demonstrated an association between carbon black and lung tumors. Moreover, a two-year's cancer bioassay using a typical toner preparation containing carbon black demonstrated no association between toner exposure and tumor development in rats.

Section 12. Ecological Information

No data is available on the adverse effects of this material on the environment.

Section 13. Disposal Considerations

Method of Disposal Dispose/incinerate in accordance with local, state and federal regulations. Do not throw toner cartridge or toner into an open flame. The hot toner may scatter and cause burns or other damage.

Section 14. Transport Information

Special Precautions None
Information on Code and Classifications According to International Regulations
UN Classification None

Section 15. Regulatory Information

US Information Information on the label not required.
TSCA (Toxic Substances Control Act) All chemical substances in this product comply with all applicable rules or order unde

SARA (Superfund Amendments and Reauthorization Act) Title III
302 Extreme Hazardous Substance None
311/312 Hazard Categories/313 Reportable Ingredients: None

California Proposition 65 This product contains no chemical substances subject to California Proposi

EU Information Information on the label (1999/45/EC and 67/548/EEC):

Symbol & Indication Not required
R-Phrase Not required
S-Phrase Not required

76/769/EEC All chemical substances in this product comply with all applicable ru under 76/769/EEC.

Article 14 (2.1) of Directive 1999/45/EC is not applicable to this product.

Section 16. Other Information

NFPA HAZARD RATING: The National Fire Protection Agency (USA)
Health: 1 Flammability: 1 Reactivity: 0
HMIS RATING: The National Paint and Coating Association (USA)
Health: 1 Flammability: 1 Reactivity: 0

Recommended Uses Toner for Electrophotographic Equipment

Information on this data sheet represents our current data and the best opinion as to the proper use in handling of this product un specified in our User's Manual. However, neither Kyocera Mita Corporation nor any of its subsidiaries assumes any liability whate accuracy or completeness of the information contained herein. All materials may present unknown hazards and should be used v Although certain hazards are described herein, we do not guarantee that these are the only hazards which exist.

End of MSDS
