

Section 1. Chemical Product and Company Identification

Product Name **Black Toner For KM-3650w**

Manufacturer Kyocera Mita Corporation

Address Kyocera Mita America, Inc.
225 Sand Road
Fairfield, NJ 07004

Telephone Number (973)-808-8444

Date April 27, 2010

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	3.0mg/m ³	3-7
(CAS No. 7631-86-9) Silica				1-3
(Non Hazardous Ingredients)				
Polyester resin 1	Not listed	Not listed	Not listed	65-75
Polyester resin 2	Not listed	Not listed	Not listed	15-25
Polypropylene	Not listed	Not listed	Not listed	1-5

Section 3. Hazards Identification

Potential Health Effects

Ingestion Ingestion is not applicable route of entry for intended use.

Inhalation Minimal respiratory tract irritation may occur with exposure to large amounts of toner dust.
Use of this product, as intended, does not result in inhalation of excessive dusts.

Eye Contact Solid or dusts may cause eye irritation or scratch the surface of the eye.

Skin Contact Unlikely to cause skin irritation.

[Environmental Hazards]

No particular hazard known.

Section 4. First Aid Measures

First Aid Measures

Ingestion Dilute stomach contents with several glasses of water and seek medical treatment.

Inhalation Remove from exposure to fresh air. If symptoms occur, consult a physician.

Eye Contact Flush thoroughly with water and seek medical treatment.

Skin Contact Wash with soap and water. If irritation persists, consult a physician.

Section 5. Fire Fighting Measures

Extinguishing Media	Water, CO ₂ or Dry Chemical.
Special Fire Fighting Procedures	None
Unusual Fire and Explosion Hazards	Toner material, like most organic material in powder form, is capable of creating a dust explosion.

Section 6. Accidental Release Measures

Spill and Leakage Procedure	Wear personal protective equipment as described in Section 8. Avoid breathing dust. Minimize the release of particles. Gather the released toner, not to blow away, and to wipe up with a wet cloth. Dispose of waste toner in accordance with local requirements.
Environmental Precautions	Do not discharge into drains.

Section 7. Handling and Storage

Handling	Keep material out of reach of children. Avoid inhalation of dust and contact with eyes. Keep away from excessive heat, sparks, and open flames.
Storage	Keep out of the reach of children. Keep container closed and store at room temperature. Keep away from strong oxidizers.

Section 8. Exposure Controls/Personal Protection

Exposure Guidelines	See Section 2
Occupational Exposure Limits for Toner:	ACGIH TLV: 10mg/m ³ (Inhalable Particulate), 3mg/m ³ (Respirable Particulate)
Personal Protection Equipment(s)	
Respiratory Protection	None required under intended use.
Eye/Face Protection	None required under intended use.
Protective Gloves	None required under intended use.
Ventilation	Good general ventilation should be sufficient under intended use.
Other Protective Equipment	None required under intended use.

Section 9. Physical and Chemical Properties

Appearance and odor	Fine black powder, slight plastic odor.
Density	1.1-1.3g/cm ³
Boiling Point	Not applicable
Melting Point	120-130 degrees centigrade (Softening Point)
Vapor Pressure	Not applicable
Solubility in Water	Negligible
Solubility in Other Solvent	Partially soluble in toluene and THF
Percent Volatile by Volume	Not applicable
Flammable Limits	Not applicable
Flammability	No test data available. Based on EC labeling criteria, any components in this product are not classified as the dangerous category of "extremely flammable", "highly flammable" and "flammable".
Explosibility	No test data available. Based on EC labeling criteria, any components in this product are not classified as the dangerous category of "explosive".

Section 10. Stability and Reactivity

Stability/Reactivity	Stable. Hazardous polymerization will not occur.
Materials to Avoid	None
Hazardous Decomposition Products	Combustion will produce carbon dioxide and, possibly toxic chemicals such as carbon monoxide.

Section 11. Toxicological Information

Acute oral toxicity	(rat)LD ₅₀ >2,000mg/kg
Acute dermal toxicity	No data available. Based on the EC labeling criteria, any components of the toner are not classified as the dangerous category of "very toxic", "toxic" and "harmful" when absorbed via the skin.
Acute inhalation toxicity	No data available. Based on the EC labeling criteria, any components of the toner are not classified as the dangerous category of "very toxic", "toxic" and "harmful" when inhaled.
Acute eye irritation	Based on the EC labeling criteria, the toner was classified as a non-irritant to the ocular tissue of the rabbit.
Acute skin irritation	Based on the EC evaluation criteria, the toner was classified as a non-irritant to the skin of the rabbit.
Sensitization	No data available. Based on the EC labeling criteria, any components of the toner are not classified as the dangerous category of "sensitizing" if they penetrate the skin.
Chronic Toxicity	
Oral	No data available. Based on the EC labeling criteria, any components in this product are not required a risk phrase R48 (danger for serious damage to health by prolonged exposure).
Dermal	No data available. Based on the EC labeling criteria, any components in this product are not required a risk phrase R48 (danger for serious damage to health by prolonged exposure).
Inhalation	No data available. 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/m ³) exposure group, and a minimal to mild degree of fibrosis was noted in 22% of the animal in the middle (4mg/m ³) exposure group. But no pulmonary change was reported in the lowest (1mg/m ³) exposure group, the most relevant level to potential human exposures. Based on the EC labeling criteria, any components in this product are not required a risk phrase R48 (danger for serious damage to health by prolonged exposure).
Mutagenicity	The result of the Ames test of the toner was negative.
Carcinogenicity	No data available. Based on the EC labeling criteria, any components of the toner are not classified as the dangerous category of "carcinogenic" if they are inhaled or ingested or if they penetrate the skin. 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.
Reproductive Toxicity	No test data available. Based on the EC labeling criteria, any components of the toner are not classified as the dangerous category of "toxic for reproduction" if they are inhaled or ingested or if they penetrate the skin.

Section 12. Ecological Information

No data available for ecological and wastewater treatment (sewage) systems. Avoid spills and dispose of in accordance with applicable laws and regulations.

Environmental Effects

No data available. Based on the EC labeling criteria, any components of the toner are not classified as the dangerous category of "dangerous for the environment".

Section 13. Disposal Considerations

[Waste From This Product] Waste material may be dumped or incinerated on condition that meets all country, state and local environmental regulations.

Consult with disposal agency and the relevant authorities; cleansing agent is water.

Section 14. Transport Information

[International Transport Information]

UN No. None.
Hazards Class None.

Section 15. Regulatory Information

Label information according to the Directives 1999/45/EEC (EU): None

Please refer to any other national measures that may be relevant.

Section 16. Other Information

MSDS STATUS

References:

1. COMMISSION DIRECTIVE 2001/59/EC of 6 August 2001 adapting to the technical progress for the 28th time Council Directive 67/548/EEC on the approximation of the laws, regulations and administrative provisions relating to the classification, packaging and labeling of dangerous substances.
2. DIRECTIVE 1999/45/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 May 1999 concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labeling of dangerous preparations.

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End of MSDS
