



# MATERIAL SAFETY DATA SHEET

## Section 1. Chemical Product and Company Identification

Product Name **Black Toner For FS-1300D**  
 Manufacturer Kyocera Mita Corporation  
 Address Kyocera Mita America, Inc.  
 225 Sand Road  
 Fairfield, NJ 07004  
 Telephone Number (973)-808-8444  
 Date March 04, 2008

## Section 2. Composition/Information on Ingredients

<i>Hazardous Components (Chemical Identity, Common Name/s)</i>	<i>OSHA PEL</i>	<i>ACGIH TLV</i>	<i>NOHSC</i>	<i>%</i>
<i>(Non Hazardous Ingredients)</i>				
Styrene acrylate copolymer-1	Not listed	Not listed	Not listed	50-60
Magnetite	Not listed	Not listed	Not listed	40-50
Styrene acrylate copolymer-2	Not listed	Not listed	Not listed	1-5
Wax	Not listed	Not listed	Not listed	1-5

## Section 3. Hazards Identification

Most Important Hazards: NONE

Specific Hazards: NONE

Other Information on Hazards: Potential Health Effects

- Ingestion Ingestion is not applicable route of entry for intended use.
- Inhalation Prolonged inhalation of excessive dusts may cause lung damage.  
Use of this product, as intended, does not result in inhalation of excessive dusts.
- Eye Contact May cause eye irritation.
- Skin Contact Unlikely to cause skin irritation.

## Section 4. First Aid Measures

First Aid Measures

- Inhalation Remove from exposure to fresh air and gargle with plenty of water.  
Seek medical treatment if effects (such as coughing) occur.
- Skin Contact Wash with soap and water.
- Eye Contact Flush thoroughly with water and seek medical treatment if irritating.
- Ingestion Rinse out the mouth. Dilute stomach contents with several glasses of water and seek medical treatment.

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## Section 5. Fire Fighting Measures

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Extinguishing Media	Water, (Sprinkle with water), Foam, Powder, CO <sub>2</sub> or Dry Chemical Extinguisher.
Special Fire Fighting Procedures	Pay attention not to blow away toner powder. Drain water off around and decrease the atmosphere temperature to extinguish the fire.

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## Section 6. Accidental Release Measures

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Personal Precautions	Avoid inhalation, ingestion, eye and skin contact in case of accidental toner release.
Environmental Precautions	No special precaution.
Method for Cleaning Up	Gather the released toner not to blow away and to wipe up with a wet cloth.

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## Section 7. Handling and Storage

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Handling	Handle in accordance with good industrial hygiene and safety practices. Keep container closed when handling/storing.
Storage	Keep the toner container tightly closed and store in a cool, dry and dark place. Keep away from fire. Keep away from children.

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## Section 8. Exposure Controls/Personal Protection

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### Control Parameters<Reference Data>:

ACGIH TLV(2000)	Total Dust	10mg/m <sup>3</sup>
OSHA PEL(2006)	Total Dust	15mg/m <sup>3</sup>

### Personal Protection Equipment(s)

Respiratory Protection	None required under normal use.
Eye/Face Protection	None required under normal use.
Hand Protection	None required under normal use.
Skin/Body Protection	None required under normal use.

Ventilation Ventilator not required under normal use.

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## Section 9. Physical and Chemical Properties

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Appearance	Black fine powder
Odor	Odorless
pH	N.A.
Melting Point	140 <sup>0</sup> C
Explosion Properties	Dust explosion is improbable under normal use. Experimental explosiveness of toner is classified into the same rank such kind of powder as flour, dry milk and resin powder according to pressure rising speed.
Specific Gravity (H <sub>2</sub> O=1)	0.8 (Bulk density)
Solubility	Almost insoluble in water.

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## Section 10. Stability and Reactivity

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Stability / Reactivity                      Stable under normal use.

Hazardous Decomposition Products      None

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## Section 11. Toxicological Information

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Acute oral toxicity                              (rat)LD50>2,500mg/kg (Estimated from other products containing same materials.)

Acute dermal toxicity                           (rat)LD50>2,000mg/kg (Estimated from other products containing same materials.)

Acute inhalation toxicity                      (rat)LC<sub>50</sub>(4hr)>5.13mg/l (Estimated from other products containing same materials.)

Acute eye irritation                            (rabbit) Mild irritant (Estimated from other products containing same materials.)

Acute skin irritation                           (rabbit) Non-irritant (Estimated from other products containing same materials.)

Skin sensitization                            (mouse)Non-Sensitiser (Estimated from other products containing same materials.)

Mutagenicity                                    Ames Test is Negative.

Reproductive Toxicity                        No reproductive toxicant, according to MAK, CA Proposition 65, TRGS 905 and EU Directive(67/548/EEC).

Carcinogenicity                                No carcinogen or potential carcinogen according to IARC, Japan Association on Industrial Health, ACGIH, EPA, OSHA, NTP, ILO, MAK, CA Proposition 65, TRGS 905 and EU Directive(67/548/EEC).

### Chronic effects:

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<sup>3</sup>) exposure group, and a minimal to mild degree of fibrosis was noted in 22% of the animal in the middle (4mg/m<sup>3</sup>) exposure group. But no pulmonary change was reported in the lowest (1mg/m<sup>3</sup>) exposure group, the most relevant level to potential human exposures.

Others    NONE

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## Section 12. Ecological Information

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No Data Available

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## Section 13. Disposal Considerations

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Dispose in accordance with local, state and federal regulations. Do not incinerate toner and toner containers. Dangerous sparks may cause burn.

Any disposal practice should be done under conditions which meet local, state, and federal laws and regulations relating to waste (contact local or state environmental agency for specific rules.)

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## Section 14. Transport Information

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UN No. None.  
UN Shipping Name None.  
UN Classification None.  
UN Packing Group None.  
Special Precautions None.

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## Section 15. Regulatory Information

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### EU Information

Label information according to the Directives 67/548/EEC and 1999/45/EEC.

Symbol and Indication Not required.  
R-Phrase Not required.  
S-Phrase Not required.  
Special Markings Not required.  
Hazardous ingredients for labeling: None

### US Information

All components in this product comply with order under TSCA.

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## Section 16. Other Information

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To the best of our knowledge, the information contained herein is accurate. However, we cannot assume any liability whatsoever for the accuracy or completeness of the information contained herein.

### <Abbreviation>

ACGIH American Conference of Governmental Industrial Hygienists  
PEL Permissible Exposure Limit  
EPA Environmental Protection Agency(USA)  
TLV Threshold Limit Value  
IARC International Agency for Research on Cancer  
JAIH Japan Association on Industrial Health  
MAK MAK(Maximale Arbeitsplatzkonzentrationen) under Deutsche Forschungsgemeinschaft  
NTP National Toxicology Program  
OSHA Occupational Safety and Health Administration  
TRGS Technische Regein für Gefahrstoffe(Deutsche)  
ILO Internation Labour Office  
UN United Nations  
TSCA Toxic Substances Control Act(USA)

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End of MSDS  
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