

# MATERIAL SAFETY DATA SHEET

## Section 1. Chemical Product and Company Identification

**Product Name**                    **Black Toner For CS-2540,2560,3040,3060**  
**Manufacturer**                    Kyocera Mita Corporation  
**Address**                            COPESTAR, A DIVISION OF  
    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

<i>Hazardous Components (Chemical Identity, Common Name/s)</i>	<i>OSHA PEL</i>	<i>ACGIH TLV</i>	<i>NOHSC</i>	<i>Weight%</i>
NONE				
<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.

## Section 5. Fire Fighting Measures

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.

## Section 6. Accidental Release Measures

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.

## Section 7. Handling and Storage

Handling	Keep the toner container tightly closed. Keep away from children.
Storage	Keep the toner container tightly closed and store in a cool, dry and dark place. Keep away from fire. Keep away from children.

## Section 8. Exposure Controls/Personal Protection

### Control Parameters<Reference Data>

ACGIH TLV(2008)-TWA	Inhalable fraction 10mg/m <sup>3</sup> , Respirable fraction 3mg/m <sup>3</sup>
OSHA PEL(2006)-TWA	Total dust 15mg/m <sup>3</sup> , Respirable fraction 5mg/m <sup>3</sup>

### Protective Equipment

Respiratory Protection	Not required under normal use.
Eye/Face Protection	Not required under normal use.
Hand Protection	Not required under normal use.
Skin/Body Protection	Not required under normal use.

Ventilation	Ventilator is not required under normal use.
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## Section 9. Physical and Chemical Properties

Appearance	
Physical state	Solid
Form	Fine powder
Color	Black
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.
Density	1.5-2.0g/cm <sup>3</sup>
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 No data available.

Acute dermal toxicity No data available.

Acute inhalation toxicity No data available.

Acute eye irritation No data available.

Acute skin irritation No data available.

Skin sensitization No data available.

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 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 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.

Other Information 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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Waste Disposal Method 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/EC.

Symbol and Indication                      Not required.

R-Phrase    Not required.

S-Phrase    Not required.

Special marking                                  Not required

Hazardous ingredients for labeling: None

### US Information

All components in this product comply with order under TSCA.

### Canada Information

This product is not a WHMIS-controlled product, since we consider it as a Manufactured article.

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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>

OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
ACGIH	American Conference of Governmental Industrial Hygienists
TLV	Threshold Limit Value
TWA	Time Weighted Average
MAK	MAK(Maximale Arbeitsplatzkonzentrationen) unter Deutsche Forschungsgemeinschaft
TRGS	Technische Regein für Gefahrstoffe(Deutsche)
IARC	International Agency for Research on Cancer
EPA	Environmental Protection Agency(USA)
NTP	National Toxicology Program
ILO	International Labour Office
UN	United Nations
TSCA	Toxic Substances Control Act(USA)
WHMIS	Workplace Hazardous Materials Information System(Canada)

### <Reference>

- \* ISO 11014-1 Safety data sheet for chemical products.
- \* Commission Directive 91/155/EEC and 2001/58/EC
- \* Pulmonary Response to Toner upon Chronic Inhalation Exposure in Rats - H.Muhle et.al
- \* Lung Clearance and Retention of Toner, Utilizing a Tracer Technique during Chronic Inhalation Exposure in Rats  
B. Bellmann  
Fundamental and Applied Toxicology 17.300-313(1991)

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End of MSDS

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