

## Section 1. Chemical Product and Company Identification

**Product Name**                    **Black Toner For CS 620, 820**  
**Manufacturer**                    Kyocera Mita Corporation  
**Address**                            COPYSTAR, A DIVISION OF  
    Kyocera Mita America, Inc.  
    225 Sand Road  
    Fairfield, NJ 07004  
**Telephone Number**            (973)-808-8444  
**Date**                                 December 28, 2011

## Section 2. Composition/Information on Ingredients

Hazardous Components (Chemical Identity, Common Name/s)	OSHA PEL Subpart Z	ACGIH TLV	IARC	NTP	Weight%
(CAS No. 13463-67-7)    Titanium dioxide	15mg/m <sup>3</sup> (Total dust)(TWA)	10mg/m <sup>3</sup> (TWA)	Group 2B	Not Listed	1-5
(Non Hazardous Ingredients)					
Polyester resin					40-50
Magnetite					30-40
Styrene acrylate copolymer					1-5
Wax					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 transient eye irritation.  
**Skin Contact**                    Unlikely to cause skin irritation.

## Section 4. First Aid Measures

**Inhalation**                    Remove from exposure to fresh air and gargle with plenty of water.  
    Seek medical treatment in case of such a symptom as coughing.  
**Skin Contact**                    Wash with soap and water. If irritation does occur, seek medical treatment.  
**Eye Contact**                    Flush thoroughly with water and seek medical treatment if irritating.  
**Ingestion**                    Ingestion is not applicable route of entry for intended use. Rinse out mouth.  
    Drink one or two glasses of water to dilute. Seek medical treatment if necessary.



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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.

Information of Ingredients No mutagen, according to MAK, TRGS905 and (EC)No 1272/2008 AnnexVI Table 3.2.

Reproductive Toxicity

Information of Ingredients No reproductive toxicant, according to MAK, CA Proposition 65, TRGS 905 and (EC)No 1272/2008 AnnexVI Table3.2.

Carcinogenicity

Information of Ingredients No carcinogen or potential carcinogen, (except titanium dioxide) according to IARC, Japan Association on Industrial Health, ACGIH, EPA, OSHA, NTP, MAK, CA Proposition 65, TRGS 905 and (EC)No 1272/2008 AnnexVI Table3.2.

The IARC reevaluated titanium dioxide as a Group 2B carcinogen (possibly carcinogenic to humans) as the result of inhalation exposure test in rats. But, oral/skin test does not show carcinogenicity.<sup>(4)</sup> In the animal chronic inhalation studies for titanium dioxide, the lung tumor was observed in only rats. It is estimated that this is attributed to the overload of rat's lung clearance mechanism (overload phenomenon).<sup>(5)</sup> The inhalation of excessive titanium dioxide does not occur in normal use of this product. Also, epidemiological studies to date have not revealed any evidence of the relation between occupational exposure to titanium dioxide and respiratory tract diseases.

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.<sup>(1)</sup> 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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Do not incinerate toner and toner containers. Dangerous sparks may cause burn.

Any disposal practice should be done under conditions which meet with local, state and federal laws and regulations relating to waste.

(Contact local or state environmental agency for specific rules.)

## Section 14. Transport Information

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

## Section 15. Regulatory Information

### 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 markings	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.

## Section 16. Other Information

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.

### <Reference>

- (1) Pulmonary Response to Toner upon Chronic Inhalation Exposure in Rats H. Muhle et. al Fundamental and Applied Toxicology 17.280-299(1991)  
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)
- (2) ACGIH TLV (Threshold Limit Values)
- (3) OSHA PEL (Permissible Exposure Limits)
- (4) IARC Monograph on the Evaluation of the Carcinogenic Risk of Chemicals to Humans, Vol.93.
- (5) NIOSH CURRENT INTELLIGENCE BULLETIN "Evaluation of Health Hazard and Recommendation for Occupational Exposure to Titanium Dioxide DRAFT".  
\*ISO 11014-1 Safety data sheet for chemical products.

### <Abbreviation>

ACGIH	American Conference of Governmental Industrial Hygienists
OSHA	Occupational Safety and Health Administration
TWA	Time Weighted Average
IARC	International Agency for Research on Cancer
EPA	Environmental Protection Agency (USA)
NTP	National Toxicology Program
MAK	Maximale Arbeitsplatzkonzentrationen under Deutsche Forschungsgemeinschaft
Proposition 65	CA Safe Drinking Water and Toxic Enforcement Act of 1986.
TRGS905	Technische Regeln für Gefahrstoffe (Deutsche)
UN	United Nations
TSCA	Toxic Substances Control Act (USA)
WHMIS	Workplace Hazardous Materials Information System(Canada)

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End of MSDS

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