MATERIAL SAFETY DATA SHEET

Section 1. Chemical Product and Company Identification

Product Name	**Black Toner For CS 400ci, 500ci, 552ci**
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	February 09, 2010

Section 2. Composition/Information on Ingredients

Hazardous Components (Chemical Identity, Common Name/s)		OSHA PEL SubpartZ PEL	ACGIH TLV	IARC	NTP	Weight%
(CAS No. 1333-86-4)	Carbon Black	3.5mg/m^3(TWA)	3.5mg/m^3(TWA)	Group 2B	Not Listed	5-10
(CAS No. 7631-86-9)	Amorphous Silica	80mg/m^3/%SiO_2(TWA)	Not Listed	Group3	Not Listed	1-5
(Non Hazardous Ingredients)						
	Polyester resin					70-80
	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 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.
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.

Section 5. Fire Fighting Measures

Extinguishing Media	Water (Sprinkle with water), Foam, Powder, $C0_2$ or Dry Chemical Extinguisher.
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 blowing away, and wipe up with a wet cloth.

Section 7. Handling and Storage

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

Section 8. Exposure Controls/Personal Protection

Exposure Guidelines	See Section 2
Control Parameters<Reference Data>	
ACGIH TLV(2008)-TWA	Inhalable fraction 10mg/m^3, Respirable fraction 3mg/m^3
OSHA PEL(2006)-TWA	Total dust 15mg/m^3, Respirable fraction 5mg/m^3
Protective Equipment	
Respiratory Protection	None required under normal use.
Eye/Face Protection	None required under normal use.
Hand/Skin/Body Protection	None required under normal use.
Ventilation	Ventilator is not required under normal use.

Section 9. Physical and Chemical Properties

Appearance

Physical state	Solid
Form	Fine powder
Color	Black
Odor	Odorless
pH	N.A.
Melting Point	100-120^{0}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 the pressure rising speed.
Specific Gravity	1.2-1.4g/cm^3
Solubility	Almost insoluble in water.

Section 10. Stability and Reactivity

Stability/Reactivity	Stable under normal use.
Hazardous Decomposition Products	None

Section 11. Toxicological Information

Acute oral toxicity	(rat)LD_{50}>2,000mg/kg (Estimated from other products containing same materials.)
Acute dermal toxicity	(rat)LD_{50}>2,000mg/kg (Estimated from Acute oral toxicity for same product.)
Acute inhalation toxicity	(rat)LC_{50}(4hr)>5.02mg/l (Estimated from other products containing same materials.)
Acute eye irritation	(rabbit) Minimal irritant (Estimated from other products containing same materials.)
Acute skin irritation	(rabbit) Mild 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, California Proposition 65, TRGS905 and EU Directive(67/548/EEC).
Carcinogenicity	No carcinogen or potential carcinogen (except carbon black), according to IARC, Japan Association on Industrial Health, ACGIH, EPA, OSHA, NTP, ILO, MAK, California Proposition 65, TRGS905 and EU Directive(67/548/EEC).

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.

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^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.

Other Information NONE

MATERIAL SAFETY DATA SHEET

Section 12. Ecological Information

No data available.

Section 13. Disposal Considerations

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).

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

US Information
All components in this product comply with order under TSCA.

EU Information — Label information according to the Directives 67/548/EEC and 1999/45/EEC)

Symbol & Indication	Not required
R-Phrase	Not required
S-Phrase	Not required
Special markings	Not required
Hazardous ingredients for labeling:	None

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

Section 16. Other Information

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	Maximale Arbeitsplatzkonzentrationen under Deutsche Forschungsgemeinschaft
TRGS	Technische Regeln 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)

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

End of MSDS

MATERIAL SAFETY DATA SHEET

Section 1. Chemical Product and Company Identification

Product Name	**Cyan Toner For CS 400ci, 500ci, 552ci**
Manufacturer	Kyocera Mita Corporation
Address	COPYSTAR, A DIVISION OF Kyocera Mita America, Inc. 225 Sand Road
Telephone Number	Fairfield, NJ 07004 (973)-808-8444
Date	February 09, 2010

Section 2. Composition/Information on Ingredients

Hazardous Components (Chemical Identity, Common Name/s)		OSHA PEL SubpartZ	ACGIH TLV	IARC	NTP	Weight%
(CAS No. 7631-86-9)	Amorphous Silica	80mg/m^3/%SiO_2(TWA)	Not Listed	Group3	Not Listed	1-5
(Non Hazardous Ingredients)						
	Polyester resin 1					70-80
	Polyester resin 2					5-10
	Organic Pigment					1-5
	Styrene-acrylate copolymer					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

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.
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.

Section 5. Fire Fighting Measures

Extinguishing Media	Water (Sprinkle with water), Foam, Powder, $C0_2$ or Dry Chemical Extinguisher.
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 wipe up with a wet cloth.

Section 7. Handling and Storage

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

Section 8. Exposure Controls/Personal Protection

Exposure Guidelines	See Section 2

Control Parameters<Reference Data>

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

Protective Equipment

Respiratory Protection	None required under normal use.
Eye/Face Protection	None required under normal use.
Hand/Skin/Body Protection	None required under normal use.
Ventilation	Ventilator is not required under normal use.

Section 9. Physical and Chemical Properties

Appearance

Physical state	Solid
Form	Fine powder
Color	Cyan
Odor	Odorless
pH	N.A.
Melting Point	100-120^{0}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 the pressure rising speed.
Density	1.2-1.4g/cm^3
Solubility	Almost insoluble in water.

Section 10. Stability and Reactivity

Stability/Reactivity	Stable under normal use.
Hazardous Decomposition Products	None

Section 11. Toxicological Information

Acute oral toxicity	(rat)LD_{50}>2,000mg/kg (Estimated from other products containing same materials.)
Acute dermal toxicity	(rat)LD_{50}>2,000mg/kg (Estimated from Acute oral toxicity for same product.)
Acute inhalation toxicity	(rat)LC_{50}(4hr)>4.98mg/l (This value is the maximum attainable concentration for dust.) (Estimated from other products containing same materials.)
Acute eye irritation	(rabbit) Minimal irritant (Estimated from other products containing same materials.)
Acute skin irritation	(rabbit) Mild 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, California Proposition 65, TRGS905 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, California Proposition 65, TRGS905 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^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.

Other Information	NONE

Section 12. Ecological Information

No data available.

Section 13. Disposal Considerations

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).

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

US Information

All components in this product comply with order under TSCA.

EU Information	Label information according to the Directives 67/548/EEC and 1999/45/EEC)
Symbol & Indication	Not required
R-Phrase	Not required
S-Phrase	Not required
Special markings	Not required
Hazardous ingredients for labeling:	None

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

Section 16. Other Information

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	Maximale Arbeitsplatzkonzentrationen under Deutsche Forschungsgemeinschaft
TRGS	Technische Regeln 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)

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

End of MSDS

MATERIAL SAFETY DATA SHEET

Section 1. Chemical Product and Company Identification

Product Name	**Magenta Toner For CS 400ci, 500ci, 552ci**
Manufacturer	Kyocera Mita Corporation
Address	COPYSTAR, A DIVISION OF Kyocera Mita America, Inc. 225 Sand Road
Telephone Number	Fairfield, NJ 07004 (973)-808-8444
Date	February 09, 2010

Section 2. Composition/Information on Ingredients

Hazardous Components (Chemical Identity, Common Name/s)	OSHA PEL SubpartZ	ACGIH TLV	IARC	NTP	Weight%
(CAS No. 7631-86-9) Amorphous Silica	80mg/m^3/%SiO_2(TWA)	Not Listed	Group3	Not Listed	1-5
(Non Hazardous Ingredients)					
Polyester resin 1					70-80
Polyester resin 2					5-10
Organic pigment					1-5
Styrene acrylate copolymer					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

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.
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.

Section 5. Fire Fighting Measures

Extinguishing Media	Water(Sprinkle with water), Foam, Powder, $C0_2$ or Dry Chemical Extinguisher.
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 wipe up with a wet cloth.

Section 7. Handling and Storage

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

Section 8. Exposure Controls/Personal Protection

Exposure Guidelines	See Section 2
Control Parameters<Reference Data>	
ACGIH TLV(2008)-TWA	Inhalable fraction 10mg/m^3, Respirable fraction 3mg/m^3
OSHA PEL(2006)-TWA	Total dust 15mg/m^3, Respirable fraction 5mg/m^3
Protective Equipment	
Respiratory Protection	None required under normal use.
Eye/Face Protection	None required under normal use.
Skin/Hand/Body Protection	None required under normal use.
Ventilation	Ventilator is not required under normal use.

Section 9. Physical and Chemical Properties

Appearance

Physical state	Solid
Form	Fine powder
Color	Magenta
Odor	Odorless
pH	N.A.
Melting Point	100-120^{0}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 the pressure rising speed.
Density	1.2-1.4g.cm^3
Solubility	Almost insoluble in water.

Section 10. Stability and Reactivity

Stability/Reactivity	Stable under normal use.
Hazardous Decomposition Products	None

Section 11. Toxicological Information

Acute oral toxicity	(rat)LD_{50}>2,000mg/kg (Estimated from other products containing same materials.)
Acute dermal toxicity	(rat)LD_{50}>2,000mg/kg (Estimated from Acute oral toxicity for same product.)
Acute inhalation toxicity	(rat)LC_{50}(4hr)>5.02mg/l (Estimated from other products containing same materials.)
Acute eye irritation	(rabbit) Minimal irritant (Estimated from other products containing same materials.)
Acute skin irritation	(rabbit) Mild 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, California Proposition 65, TRGS905 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, California Proposition 65, TRGS905 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^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.

Other Information NONE

Section 12. Ecological Information

No data available.

Section 13. Disposal Considerations

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).

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

US Information

All components in this product comply with order under TSCA.

EU Information	Label information according to the Directives 67/548/EEC and 1999/45/EEC)
Symbol & Indication	Not required
R-Phrase	Not required
S-Phrase	Not required
Special markings	Not required
Hazardous ingredients for labeling:	None

Canada Information

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

Section 16. Other Information

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	Maximale Arbeitsplatzkonzentrationen under Deutsche Forschungsgemeinschaft
TRGS	Technische Regeln 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)

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

End of MSDS

MATERIAL SAFETY DATA SHEET

Section 1. Chemical Product and Company Identification

Product Name	**Yellow Toner For CS 400ci, 500ci, 552ci**
Manufacturer	Kyocera Mita Corporation
Address	COPYSTAR, A DIVISION OF Kyocera Mita America, Inc. 225 Sand Road
Telephone Number	Fairfield, NJ 07004 (973)-808-8444
Date	February 09, 2010

Section 2. Composition/Information on Ingredients

Hazardous Components (Chemical Identity, Common Name/s)	OSHA PEL Subpart Z	ACGIH TLV	IARC	NTP	Weight%
(CAS No. 7631-86-9) Amorphous Silica	80mg/m^3/%SiO_2(TWA)	Not Listed	Group3	Not Listed	1-5
(Non Hazardous Ingredients)					
Polyester resin 1					70-80
Polyester resin 2					5-10
Organic pigment					1-5
Styrene acrylate copolymer					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

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	Do not rub eyes. Flush thoroughly with water and seek medical treatment.
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.

Section 5. Fire Fighting Measures

Extinguishing Media	Water(Sprinkle with Water), Foam, Powder, $C0_2$ or Dry Chemical Extinguisher.
Fire Fighting Procedures	Pay attention not to blow away toner powder. Drain water off around and decrease 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 blowing away, and wipe up with a wet cloth.

Section 7. Handling and Storage

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

Section 8. Exposure Controls/Personal Protection

Exposure Guidelines	See Section 2
Control Parameters<Reference Data>	
ACGIH TLV(2008)-TWA	Inhalable fraction 10mg/m^3, Respirable fraction 3mg/m^3
OSHA PEL(2006)-TWA	Total dust 15mg/m^3, Respirable fraction 5mg/m^3
Protective Equipment	
Respiratory Protection	None required under normal use.
Eye/Face Protection	None required under normal use.
Skin/Hand/Body Protection	None required under normal use.
Ventilation	Ventilator is not required under normal use.

Section 9. Physical and Chemical Properties

Appearance

Physical state	Solid
Form	Fine powder
Color	Yellow
Odor	Odorless
PH	N.A.
Melting Point	100-120^{0}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 the pressure rising speed.
Density	1.2-1.4g/cm^3
Solubility	Almost insoluble in water.

Section 10. Stability and Reactivity

Stability/Reactivity	Stable under normal use.
Hazardous Decomposition Products	None

Section 11. Toxicological Information

Acute oral toxicity	(rat)LD_{50}>2,000mg/kg (Estimated from other products containing same materials.)
Acute dermal toxicity	(rat)LD_{50}>2,000mg/kg (Estimated from Acute oral toxicity for same product.)
Acute inhalation toxicity	(rat)LC_{50}(4hr)>5.02mg/l (Estimated from other products containing same materials.)
Acute eye irritation	(rabbit) Minimal irritant (Estimated from other products containing same materials.)
Acute skin irritation	(rabbit) Mild 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, California Proposition 65, TRGS905 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, California Proposition 65, TRGS905 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^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.

Other Information NONE

Section 12. Ecological Information

No data available.

Section 13. Disposal Considerations

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).

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

US Information

All components in this product comply with order under TSCA.

EU Information	Label information according to the Directives 67/548/EEC and 1999/45/EEC)
Symbol & Indication	Not required
R-Phrase	Not required
S-Phrase	Not required
Special markings	Not required

Hazardous ingredients for labeling: None

Canada Information

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

Section 16. Other Information

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	Maximale Arbeitsplatzkonzentrationen under Deutsche Forschungsgemeinschaft
TRGS	Technische Regeln 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)

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End of MSDS

MATERIAL SAFETY DATA SHEET

Section 1. Chemical Product and Company Identification

Product Name	**Black Developer For CS 250ci, 300ci, 400ci, 500ci, 552ci**
Manufacturer	Kyocera Mita Corporation
Address	COPYSTAR, A DIVISION OF Kyocera Mita America, Inc. 225 Sand Road
Telephone Number	Fairfield, NJ 07004 (973)-808-8444
Date	February 09, 2010

Section 2. Composition/Information on Ingredients

Hazardous Components (Chemical Identity, Common Name/s)	OSHA PEL SubpartZ	ACGIH TLV	IARC	NTP	Weight%
(CAS No. 66402-68-4) Ferrite (Ferrite including manganese)	5mg/m^3 (Ceiling)(as Mn)	0.2mg/m^3(TWA) (as Mn)	Not Listed	Not Listed	80-90 (as Mn:15-20)
(CAS No. 1333-86-4) Carbon Black	3.5mg/m^3	3.5mg/m^3	Group2B	Not Listed	<1
(Non Hazardous Ingredients)					
Polyester resin					5-10

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

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	Do not rub eyes. Flush thoroughly with water and seek medical treatment.
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.

Section 5. Fire Fighting Measures

Extinguishing Media	Water (Sprinkle with water), Foam, Powder, $C0_2$ or Dry Chemical.
Fire Fighting Procedures	Pay attention not to blow away developer powder. Drain water off around and decrease atmosphere temperature to extinguish the fire.

Section 6. Accidental Release Measures

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

Section 7. Handling and Storage

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

Section 8. Exposure Controls/Personal Protection

Exposure Guidelines	See Section 2
Control Parameters<Reference Data>	
ACGIH TLV(2008)-TWA	Inhalable fraction 10mg/m^3, Respirable fraction 3mg/m^3
OSHA PEL(2006)-TWA	Total dust 15mg/m^3, Respirable fraction 5mg/m^3
Protective Equipment	
Respiratory Protection	None required under normal use.
Eye/Face Protection	None required under normal use.
Skin/Hand/Body Protection	None required under normal use.
Ventilation	Ventilator is not required under normal use.

Section 9. Physical and Chemical Properties

Appearance

Physical state	Solid
Form	Fine powder
Color	Black
Odor	Odorless
pH	N.A.
Melting Point	N.A.
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 the pressure rising speed.
Density	3.5-5.0 g/cm^3
Solubility	Almost insoluble in water.

Section 10. Stability and Reactivity

Stability/Reactivity	Stable under normal use.
Hazardous Decomposition Products	None

Section 11. Toxicological Information

Acute oral toxicity	(rat)LD_{50}>2,000mg/kg[Toner] (Estimated from other products containing same materials.) (rat)LD_{50}>2,500mg/kg[Carrier] (Estimated from the data of constituent materials.)
Acute dermal toxicity	(rat)LD_{50}>2,000mg/kg[Toner] (Estimated from Acute oral toxicity for same product.)
Acute inhalation toxicity	(rat)LC_{50}(4 hr)>5.02mg/l[Toner] (Estimated from other products containing same materials.)
Acute eye irritation	(rabbit) Minimal irritant [Toner] (Estimated from other products containing same materials.)
Acute skin irritation	(rabbit) Mild irritant [Toner] (Estimated from other products containing same materials.) (rabbit) Non irritant [Carrier] (Estimated from the data of constituent materials.)
Skin sensitization	(mouse)Non-Sensitizer [Toner] (Estimated from other products containing same materials.) (guinea pig)Non-Sensitizer [Carrier] (Estimated from other products containing same materials.)
Mutagenicity	Ames Test is Negative. [Toner] Ames Test is Negative. [Carrier] (Estimated from the data of constituent materials.)
Reproductive Toxicity	No reproductive toxicant, according to MAK, California Proposition 65, TRGS905 and EU Directive(67/548/EEC).
Carcinogenicity	No carcinogen or potential carcinogen (except carbon black) according to IARC, Japan Association on Industrial Health, ACGIH, EPA, OSHA, NTP, ILO, MAK, California Proposition 65, TRGS905 and EU Directive (67/548/EEC).

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.

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^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.

Other Information NONE

Section 12. Ecological Information

No data available.

Section 13. Disposal Considerations

Do not incinerate developer and developer 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).

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

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.

EU Information	Label information according to the Directives 67/548/EEC and 1999/45/EEC)
Symbol & Indication	Not required
R-Phrase	Not required
S-Phrase	Not required
Special markings	Not required

Hazardous ingredients for labeling: None

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.

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	Maximale Arbeitsplatzkonzentrationen under Deutsche Forschungsgemeinschaft
TRGS	Technische Regeln 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)

End of MSDS

MATERIAL SAFETY DATA SHEET

Section 1. Chemical Product and Company Identification

Product Name	**Cyan Developer For CS 250ci, 300ci, 400ci, 500ci, 552ci**
Manufacturer	Kyocera Mita Corporation
Address	COPYSTAR, A DIVISION OF Kyocera Mita America, Inc. 225 Sand Road
Telephone Number	Fairfield, NJ 07004 (973)-808-8444
Date	February 09, 2010

Section 2. Composition/Information on Ingredients

Hazardous Components (Chemical Identity, Common Name/s)	OSHA PEL SubpartZ	ACGIH TLV	IARC	NTP	Weight%
(CAS No. 66402-68-4) Ferrite (Ferrite including manganese)	5mg/m^3 (Ceiling)(as Mn)	0.2mg/m^3(TWA) (as Mn)	Not Listed	Not Listed	80-90 (as Mn:15-20)
(Non Hazardous Ingredients)					
Polyester resin					5-10

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

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	Do not rub eyes. Flush thoroughly with water and seek medical treatment.
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.

Section 5. Fire Fighting Measures

Extinguishing Media	Water (Sprinkle with Water), Foam, Powder, $C0_2$ or Dry Chemical.
Fire Fighting Procedures	Pay attention not to blow away developer powder. Drain water off around and decrease atmosphere temperature to extinguish the fire.

Section 6. Accidental Release Measures

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

Section 7. Handling and Storage

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

Section 8. Exposure Controls/Personal Protection

Exposure Guidelines	See Section 2
Control Parameters<Reference Data>	
ACGIH TLV(2008)-TWA	Inhalable fraction 10mg/m^3, Respirable fraction 3mg/m^3
OSHA PEL(2006)-TWA	Total dust 15mg/m^3, Respirable fraction 5mg/m^3
Protective Equipment	
Respiratory Protection	None required under normal use.
Eye/Face Protection	None required under normal use.
Skin/Hand/Body Protection	None required under normal use.
Ventilation	None required under normal use.

Section 9. Physical and Chemical Properties

Appearance

Physical state	Solid
Form	Fine powder
Color	Cyan
Odor	Odorless
Melting Point	N.A.
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 the pressure rising speed.
Density	3.5-5.0 g/cm^3
Solubility	Almost insoluble in water.

Section 10. Stability and Reactivity

Stability/Reactivity	Stable under normal use.
Hazardous Decomposition Products	None

Section 11. Toxicological Information

Acute oral toxicity	(rat)LD_{50}>2,000mg/kg[Toner] (Estimated from other products containing same materials.) (rat)LD_{50}>2,500mg/kg[Carrier] (Estimated from the data of constituent materials.)
Acute dermal toxicity	(rat)LD_{50}>2,000mg/kg[Toner] (Estimated from Acute oral toxicity for same product.)
Acute inhalation toxicity	(rat)LC_{50}(4 hr)>4.98mg/l[Toner] (Estimated from other products containing same materials.) [This value is the maximum attainable concentration for dust.]
Acute eye irritation	(rabbit) Minimal irritant [Toner] (Estimated from other products containing same materials.)
Acute skin irritation	(rabbit) Mild irritant [Toner] (Estimated from other products containing same materials.) (rabbit) Non irritant [Carrier] (Estimated from the data of constituent materials.)
Skin sensitization	(mouse)Non-Sensitizer [Toner] (Estimated from other products containing same materials.) (guinea pig)Non-Sensitizer [Carrier] (Estimated from the data of constituent materials.)
Mutagenicity	Ames Test is Negative. [Toner] Ames Test is Negative. [Carrier] (Estimated from the data of constituent materials.)
Reproductive Toxicity	No reproductive toxicant, according to MAK, California Proposition 65, TRGS905 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, California Proposition 65, TRGS905 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^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.

Other Information NONE

Section 12. Ecological Information

No data available.

Section 13. Disposal Considerations

Do not incinerate developer and developer 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).

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

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.

EU Information	Label information according to the Directives 67/548/EEC and 1999/45/EEC)
Symbol & Indication	Not required
R-Phrase	Not required
S-Phrase	Not required
Special markings	Not required
Hazardous ingredients for labeling:	None

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.

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	Maximale Arbeitsplatzkonzentrationen under Deutsche Forschungsgemeinschaft
TRGS	Technische Regeln 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)

End of MSDS

MATERIAL SAFETY DATA SHEET

Section 1. Chemical Product and Company Identification

Product Name	**Magenta Developer For CS 250ci, 300ci, 400ci, 500ci, 552ci**
Manufacturer	Kyocera Mita Corporation
Address	COPYSTAR, A DIVISION OF Kyocera Mita America, Inc. 225 Sand Road
Telephone Number	Fairfield, NJ 07004 (973)-808-8444
Date	February 09, 2010

Section 2. Composition/Information on Ingredients

Hazardous Components (Chemical Identity, Common Name/s)	OSHA PEL SubpartZ	ACGIH TLV	IARC	NTP	Weight%
(CAS No. 66402-68-4) Ferrite (Ferrite including manganese)	5mg/m^3 (Ceiling)(as Mn)	0.2mg/m^3(TWA) (as Mn)	Not Listed	Not Listed	80-90 (as Mn:15-20)
(Non Hazardous Ingredients)					
Polyester resin					5-10

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

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	Do not rub eyes. Flush thoroughly with water and seek medical treatment.
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.

Section 5. Fire Fighting Measures

Extinguishing Media	Water (Sprinkle with Water), Foam, Powder, $C0_2$ or Dry Chemical.
Fire Fighting Procedures	Pay attention not to blow away developer powder. Drain water off around and decrease atmosphere temperature to extinguish the fire.

Section 6. Accidental Release Measures

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

Section 7. Handling and Storage

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

Section 8. Exposure Controls/Personal Protection

Exposure Guidelines	See Section 2
Control Parameters<Reference Data>	
ACGIH TLV(2008)-TWA	Inhalable fraction 10mg/m^3, Respirable fraction 3mg/m^3
OSHA PEL(2006)-TWA	Total dust 15mg/m^3, Respirable fraction 5mg/m^3
Protective Equipment	
Respiratory Protection	None required under normal use.
Eye/Face Protection	None required under normal use.
Skin/Hand/Body Protection	None required under normal use.
Ventilation	Ventilator is not required under normal use.

Section 9. Physical and Chemical Properties

Appearance

Physical state	Solid
Form	Fine powder
Color	Magenta
Odor	Odorless
pH	N.A.
Melting Point	N.A.
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 the pressure rising speed.
Density	3.5-5.0 g/cm^3
Solubility	Almost insoluble in water.

Section 10. Stability and Reactivity

Stability/Reactivity	Stable under normal use.
Hazardous Decomposition Products	None

Section 11. Toxicological Information

Acute oral toxicity	(rat)LD_{50}>2,000mg/kg[Toner] (Estimated from other products containing same materials.) (rat)LD_{50}>2,500mg/kg[Carrier] (Estimated from the data of constituent materials.)
Acute dermal toxicity	(rat)LD_{50}>2,000mg/kg[Toner] (Estimated from Acute oral toxicity for same product.)
Acute inhalation toxicity	(rat)LC_{50}(4 hr)>5.02mg/l[Toner] (Estimated from other products containing same materials.)
Acute eye irritation	(rabbit) Minimal irritant [Toner] (Estimated from other products containing same materials.)
Acute skin irritation	(rabbit) Mild irritant [Toner] (Estimated from other products containing same materials.) (rabbit) Non irritant [Carrier] (Estimated from the data of constituent materials.)
Skin sensitization	(mouse)Non-Sensitizer [Toner] (Estimated from other products containing same materials.) (guinea pig)Non-Sensitizer [Carrier] (Estimated other products containing same materials.)
Mutagenicity	Ames Test is Negative. [Toner] Ames Test is Negative. [Carrier] (Estimated from the data of constituent materials.)
Reproductive Toxicity	No reproductive toxicant, according to MAK, California Proposition 65, TRGS905 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, California Proposition 65, TRGS905 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^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.

Other Information NONE

Section 12. Ecological Information

No data available.

Section 13. Disposal Considerations

Do not incinerate developer and developer 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).

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

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.

EU Information — Label information according to the Directives 67/548/EEC and 1999/45/EEC)

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

Hazardous ingredients for labeling: None

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.

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	Maximale Arbeitsplatzkonzentrationen under Deutsche Forschungsgemeinschaft
TRGS	Technische Regeln 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)

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End of MSDS

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MATERIAL SAFETY DATA SHEET

Section 1. Chemical Product and Company Identification

Product Name	**Yellow Developer For CS 250ci,300ci,400ci,500ci,552ci**
Manufacturer	Kyocera Mita Corporation
Address	COPYSTAR, A DIVISION OF Kyocera Mita America, Inc. 225 Sand Road
Telephone Number	Fairfield, NJ 07004 (973)-808-8444
Date	February 09, 2010

Section 2. Composition/Information on Ingredients

Hazardous Components (Chemical Identity, Common Name/s)	OSHA PEL SubpartZ	ACGIH TLV	IARC	NTP	Weight%
(CAS No. 66402-68-4) Ferrite (Ferrite including manganese)	5mg/m^3 (Ceiling)(as Mn)	0.2mg/m^3(TWA) (as Mn)	Not Listed	Not Listed	80-90 (as Mn:15-20)
(Non Hazardous Ingredients)					
Polyester resin					5-10

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

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	Do not rub eyes. Flush thoroughly with water and seek medical treatment.
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.

Section 5. Fire Fighting Measures

Extinguishing Media	Water (Sprinkle with Water), Foam, Powder, $C0_2$ or Dry Chemical.
Fire Fighting Procedures	Pay attention not to blow away developer powder. Drain water off around and decrease atmosphere temperature to extinguish the fire.

Section 6. Accidental Release Measures

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

Section 7. Handling and Storage

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

Section 8. Exposure Controls/Personal Protection

Exposure Guidelines	See Section 2
Control Parameters<Reference Data>	
ACGIH TLV(2008)-TWA	Inhalable fraction 10mg/m^3, Respirable fraction 3mg/m^3
OSHA PEL(2006)-TWA	Total dust 15mg/m^3, Respirable fraction 5mg/m^3
Protective Equipment	
Respiratory Protection	None required under normal use.
Eye/Face Protection	None required under normal use.
Skin/Hand/Body Protection	None required under normal use.
Ventilation	None required under normal use.

Section 9. Physical and Chemical Properties

Appearance

Physical state	Solid
Form	Fine powder
Color	Yellow
Odor	Odorless
Melting Point	N.A.
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 the pressure rising speed.
Density	3.5-5.0g/cm^3
Solubility	Almost insoluble in water.

Section 10. Stability and Reactivity

Stability/Reactivity	Stable under normal use.
Hazardous Decomposition Products	None

Section 11. Toxicological Information

Acute oral toxicity	(rat)LD_{50}>2,000mg/kg[Toner] (Estimated from other products containing same materials.) (rat)LD_{50}>2,500mg/kg[Carrier] (Estimated from the data of constituent materials.)
Acute dermal toxicity	(rat)LD_{50}>2,000mg/kg[Toner] (Estimated from Acute oral toxicity for same product.)
Acute inhalation toxicity	(rat)LC_{50}(4 hr)>5.02mg/l[Toner] (Estimated from other products containing same materials.)
Acute eye irritation	(rabbit) Minimal irritant [Toner] (Estimated from other products containing same materials.)
Acute skin irritation	(rabbit) Mild irritant [Toner] (Estimated from other products containing same materials.) (rabbit) Non irritant [Carrier] (Estimated from other products containing same materials.)
Skin sensitization	(mouse)Non-Sensitizer [Toner] (Estimated from other products containing same materials.) (guinea pig)Non-Sensitizer [Carrier] (Estimated from other products containing same materials.)
Mutagenicity	Ames Test is Negative. [Toner] Ames Test is Negative. [Carrier] (Estimated from the data of constituent materials.)
Reproductive Toxicity	No reproductive toxicant, according to MAK, California Proposition 65, TRGS905 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, California Proposition 65, TRGS905 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^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.

Other Information NONE

Section 12. Ecological Information

No data available.

Section 13. Disposal Considerations

Do not incinerate developer and developer 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).

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

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.

EU Information	Label information according to the Directives 67/548/EEC and 1999/45/EEC)
Symbol & Indication	Not required
R-Phrase	Not required
S-Phrase	Not required
Special markings	Not required
Hazardous ingredients for labeling:	None

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.

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	Maximale Arbeitsplatzkonzentrationen under Deutsche Forschungsgemeinschaft
TRGS	Technische Regeln 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)

End of MSDS