Section 1. Chemical Product and Company Identification

Product Name: Black Toner For TASKalfa 6550ci, 7550ci
Manufacturer: KYOCERA Document Solutions Inc.
Address: KYOCERA Document Solutions America, Inc.
225 Sand Road
Fairfield, NJ 07004
Telephone Number: (973)-808-8444
Date: April 02, 2012

Section 2. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Hazardous Components</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>IARC</th>
<th>NTP</th>
<th>Weight%</th>
</tr>
</thead>
<tbody>
<tr>
<td>(CAS No. 1333-86-4) Carbon Black</td>
<td>3.5mg/m³ (TWA)</td>
<td>3.5mg/m³ (TWA)</td>
<td>Group 2B</td>
<td>Not Listed</td>
<td>5-10</td>
</tr>
<tr>
<td>(CAS No. 66402-68-4) Ferrite (Ferrite including manganese)</td>
<td>5mg/m³ (Ceiling) (Manganese compounds (asMn))</td>
<td>0.2mg/m³ (TWA) (Manganese and inorganic compounds as Mn)</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>1-10 (as Mn:&lt;2)</td>
</tr>
<tr>
<td>(CAS No. 7631-86-9) Amorphous silica</td>
<td>80mg/m³ %SiO₂(TWA)</td>
<td>Not Listed</td>
<td>Group 3</td>
<td>Not Listed</td>
<td>1-5</td>
</tr>
<tr>
<td>(CAS No. 13463-67-7) Titanium dioxide</td>
<td>15mg/m³ (Total Dust) (TWA)</td>
<td>10mg/m³ (TWA)</td>
<td>Group 2B</td>
<td>Not Listed</td>
<td>&lt;1</td>
</tr>
</tbody>
</table>

(Non Hazardous Ingredients)

Polyester resin: 65-75

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.

Section 5. Fire Fighting Measures

Extinguishing Media: Water (Sprinkle with water), Foam, Powder, CO₂ or Dry Chemical Extinguisher.

Fire Fighting Procedure: 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: Do not release into drains and surface water.

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

Control Parameters<Reference Data>

<table>
<thead>
<tr>
<th>Source</th>
<th>Control Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH TLV(2) - TWA</td>
<td>Inhalable fraction</td>
<td>10mg/m³, Respirable fraction 3mg/m³</td>
</tr>
<tr>
<td>OSHA PEL(3) - TWA</td>
<td>Total dust</td>
<td>15mg/m³, Respirable fraction 5mg/m³</td>
</tr>
</tbody>
</table>

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: Not applicable
Melting Point: 100-120°C [Toner]

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/cm³ [Toner]
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)LD₅₀>2,000mg/kg (Estimated from other products containing same materials.)[Toner]
(rat)LD₅₀>2,500mg/kg (Estimated from the data of constituent materials.)[Carrier]

Acute dermal toxicity: (rat)LD₅₀>2,000mg/kg (Estimated from Acute oral toxicity for same product.)[Toner]
(rat)LD₅₀>2,000mg/kg (Estimated from the data of constituent materials.)[Carrier]

Acute inhalation toxicity: (rat)LC₅₀(4hr)>5.0mg/l (Estimated from other products containing same materials.)[Toner]
(rat)LC₅₀(4hr)>5.0mg/l (Estimated from the data of constituent materials.)[Carrier]

Acute eye irritation: (rabbit) Minimal irritant (Estimated from other products containing same materials.)[Toner]
(rabbit) Minimal irritant (Estimated from the data of constituent materials.)[Carrier]

Acute skin irritation: (rabbit) Non-irritant (Estimated from other products containing same materials.)[Toner]
(rabbit) Non-irritant (Estimated from the data of constituent materials.)[Carrier]

Skin sensitization: (mouse) Non-Sensitiser (Estimated from other products containing same materials.)[Toner]
(guinea pig) Non-Sensitiser (Estimated from the data of constituent materials.)[Carrier]

Mutagenicity: Ames Test is Negative.[Toner]
Ames Test is Negative. (Estimated from the data of constituent materials.)[Carrier]

Information of Ingredients:
No mutagen, according to MAK, TRGS905 and (EC)No 1272/2008 AnnexVI Table3.2.

Reproductive Toxicity
Information of Ingredients: No reproductive toxicant, according to MAK, California Proposition 65, TRGS905 and (EC)No 1272/2008 AnnexVI Table3.2.

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

The IARC reevaluated carbon black and 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. The evaluation of carbon black 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. The studies performed in animal models other than rats have not demonstrated an association between carbon black and lung tumors. Moreover, a two-years cancer bioassay using a typical toner preparation containing carbon black demonstrated no association between toner exposure and tumor development in rats.

In the animal chronic inhalation studies for titanium dioxide, the lung tumors was observed in only rats. It is estimated that this is attributed to the overload of rat's lung clearance mechanism (overload phenomenon). 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/m³) exposure group, and a minimal to mild degree of fibrosis was noted in 22% of the animal in the middle (4mg/m³) exposure group. But no pulmonary change was reported in the lowest (1mg/m³) 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/EC
  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

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)
(2) 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)
(3) OSHA PEL (Permissible Exposure Limits)
(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 unter Deutsche Forschungsgemeinschaft
TRGS905        Technische Regeln für Gefahrstoffe (Deutsche)
UN          United Nations
TSCA          Toxic Substances Control Act (USA)
WHMIS         Workplace Hazardous Materials Information System(Canada)

End of MSDS

Black Toner For TASKalfa 6550ci, 7550ci  Page 4 of 4  4/2/2012
## Section 1. Chemical Product and Company Identification

**Product Name**  
Cyan Toner For TASKalfa 6550ci, 7550ci

**Manufacturer**  
KYOCERA Document Solutions Inc.

**Address**  
KYOCERA Document Solutions America, Inc.  
225 Sand Road  
Fairfield, NJ 07004

**Telephone Number**  
(973)-808-8444

**Date**  
April 02, 2012

## Section 2. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Hazardous Components</th>
<th>OSHA PEL SubpartZ</th>
<th>ACGIH TLV</th>
<th>IARC</th>
<th>NTP</th>
<th>Weight%</th>
</tr>
</thead>
<tbody>
<tr>
<td>(CAS No. 66402-68-4) Ferrite (Ferrite including manganese)</td>
<td>5mg/m³ (Ceiling) (Manganese compounds (as Mn))</td>
<td>0.2mg/m³ (TWA) (Manganese and inorganic compounds as Mn)</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>1-10 (as Mn:&lt;2)</td>
</tr>
<tr>
<td>(CAS No. 7631-86-9) Amorphous silica</td>
<td>80mg/m³ SiO₂(TWA)</td>
<td>Not Listed</td>
<td>Group3</td>
<td>Not Listed</td>
<td>1-5</td>
</tr>
<tr>
<td>(CAS No. 13463-67-7) Titanium dioxide</td>
<td>15mg/m³ (Total Dust) (TWA)</td>
<td>10mg/m³ (TWA)</td>
<td>Group 2B</td>
<td>Not Listed</td>
<td>&lt;1</td>
</tr>
</tbody>
</table>

(Non Hazardous Ingredients)

| Polyester resin 1 | 65-75 |
| Polyester resin 2 | 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 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.

Section 5. Fire Fighting Measures

Extinguishing Media Water (Sprinkle with water), Foam, Powder, CO₂ or Dry Chemical Extinguisher.

Fire Fighting Procedure 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 Do not release into drains and surface water.

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

Control Parameters<Reference Data>

ACGIH TLV(TWA) Inhalable fraction 10mg/m³, Respirable fraction 3mg/m³
OSHA PEL(TWA) Total dust 15mg/m³, Respirable fraction 5mg/m³

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: Cyan
  Odor: Odorless

pH: Not applicable

Melting Point: 100-120°C[Toner]

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/cm³[Toner]

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)LD₅₀>2,000mg/kg (Estimated from other products containing same materials.)[Carrier]

Acute dermal toxicity: (rat)LD₅₀>2,500mg/kg (Estimated from the data of constituent materials.)[Carrier]

Acute inhalation toxicity: (rat)LC₅₀(4hr)>5.0mg/l (Estimated from other products containing same materials.)[Toner]

Acute eye irritation: (rabbit) Non-irritant (Estimated from other products containing same materials.)[Carrier]

Acute skin irritation: (rabbit) Non-irritant (Estimated from the data of constituent materials.)[Carrier]

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

(guinea pig) Non-Sensitiser (Estimated from the data of constituent materials.)[Carrier]

Mutagenicity: Ames Test is Negative. [Carrier]

Information of Ingredients: No reproductive toxicant, according to MAK, TRGS905 and (EC) No 1272/2008 AnnexVI Table3.2.

Reproductive Toxicity

Information of Ingredients: No reproductive toxicant, according to MAK, California Proposition 65, TRGS905 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, California Proposition 65, TRGS905, and (EC) No 1272/2008 AnnexVI Table3.2.

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. 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 the rat's lung clearance mechanism (overload phenomenon).

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/m³) exposure group, and a minimal to mild degree of fibrosis was noted in 22% of the animal in the middle (4mg/m³) exposure group. But no pulmonary change was reported in the lowest (1mg/m³) 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/EC)

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

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)
(2) ACGIH TLV (Threshold Limit Values)
(3) OSHA PEL (Permissible Exposure Limits)
(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
TRGS595 Technische Regeln für Gefahrstoffe (Deutsche)
UN United Nations
TSCA Toxic Substances Control Act (USA)
WHMIS Workplace Hazardous Materials Information System(Canada)

End of MSDS
Section 1. Chemical Product and Company Identification

Product Name	Magenta Toner For TASKalfa 6550ci, 7550ci
Manufacturer	KYOCERA Document Solutions Inc.
Address	KYOCERA Document Solutions America, Inc.
	225 Sand Road
	Fairfield, NJ 07004
Telephone Number	(973)-808-8444
Date	April 02, 2012

Section 2. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Hazardous Components (Chemical Identity, Common Name/s)</th>
<th>OSHA PEL SubpartZ</th>
<th>ACGIH TLV</th>
<th>IARC</th>
<th>NTP</th>
<th>Weight%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ferrite (Ferrite including manganese) (CAS No. 66402-68-4)</td>
<td>5mg/m³(Ceiling) (Manganese compounds (asMn))</td>
<td>0.2mg/m³(TWA) (Manganese and inorganic compounds as Mn)</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>1-10 (as Mn:&lt;2)</td>
</tr>
<tr>
<td>Amorphous silica (CAS No. 7631-86-9)</td>
<td>80mg/m³³%SiO₂(TWA)</td>
<td>Not Listed</td>
<td>Group3</td>
<td>Not Listed</td>
<td>1-5</td>
</tr>
<tr>
<td>Titanium dioxide (CAS No. 13463-67-7)</td>
<td>15mg/m³ (Total Dust) (TWA)</td>
<td>10mg/m³³(TWA)</td>
<td>Group 2B</td>
<td>Not Listed</td>
<td>&lt;1</td>
</tr>
</tbody>
</table>

(Non Hazardous Ingredients)

Polyester resin 1 65-75
Polyester resin 2 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 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.

Section 5. Fire Fighting Measures

Extinguishing Media
Water (Sprinkle with water), Foam, Powder, CO₂ or Dry Chemical Extinguisher.

Fire Fighting Procedure
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
Do not release into drains and surface water.

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

Control Parameters<Reference Data>
- ACGIH TLV(2)-TWA
  - Inhalable fraction 10mg/m³, Respirable fraction 3mg/m³
- OSHA PEL(3)-TWA
  - Total dust 15mg/m³, Respirable fraction 5mg/m³

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: Not applicable
Melting Point: 100-120°C [Toner]

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/cm³ [Toner]
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)LD₅₀>2,000mg/kg (Estimated from other products containing same materials.) [Toner]
(rat)LD₅₀>2,500mg/kg (Estimated from the data of constituent materials.) [Carrier]

Acute dermal toxicity
(rat)LD₅₀>2,000mg/kg (Estimated from Acute oral toxicity for same product.) [Toner]
(rat)LD₅₀>2,000mg/kg (Estimated from the data of constituent materials.) [Carrier]

Acute inhalation toxicity
(rat)LC₅₀(4hr)>5.0mg/l (Estimated from other products containing same materials.) [Toner]

Acute eye irritation
(rabbit) Minimal irritant (Estimated from other products containing same materials.) [Toner]
(rabbit) Non-irritant (Estimated from the data of constituent materials.) [Carrier]

Acute skin irritation
(rabbit) Minimal irritant (Estimated from other products containing same materials.) [Toner]
(rabbit) Non-Sensitiser (Estimated from the data of constituent materials.) [Carrier]

Skin sensitization
(mouse) Non-Sensitiser (Estimated from other products containing same materials.) [Toner]
(guinea pig) Non-Sensitiser (Estimated from the data of constituent materials.) [Carrier]

Mutagenicity
Ames Test is Negative. [Toner]
Ames Test is Negative. [Estimated from the data of constituent materials.] [Carrier]

Information of Ingredients:
No reproductive toxicant, according to MAK, TRGS905 and (EC) No 1272/2008 AnnexVI Table3.2.

Reproductive Toxicity
Information of Ingredients:
No reproductive toxicant, according to MAK, California Proposition 65, TRGS905 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, California Proposition 65, TRGS905, 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. 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 the rat's lung clearance mechanism (overload phenomenon).

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/m³) exposure group, and a minimal to mild degree of fibrosis was noted in 22% of the animal in the middle (4mg/m³) exposure group. But no pulmonary change was reported in the lowest (1mg/m³) 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/EC

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

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)
(5) NIOSH CURRENT INTELLIGENCE BULLETIN “Evaluation of Health Hazard and Recommendation for Occupational Exposure to Titanium Dioxide DR
*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 unter Deutsche Forschungsgemeinschaft
TRGS905 Technische Regeln für Gefahrstoffe (Deutsche)
UN United Nations
TSCA Toxic Substances Control Act (USA)
WHMIS Workplace Hazardous Materials Information System(Canada)

End of MSDS
**Section 1. Chemical Product and Company Identification**

Product Name: Yellow Toner For TASKalfa 6550ci, 7550ci
Manufacturer: KYOCERA Document Solutions Inc.
Address: KYOCERA Document Solutions America, Inc.
225 Sand Road
Fairfield, NJ 07004
Telephone Number: (973)-808-8444
Date: April 02, 2012

**Section 2. Composition/Information on Ingredients**

<table>
<thead>
<tr>
<th>Hazardous Components</th>
<th>OSHA PEL SubpartZ</th>
<th>ACGIH TLV</th>
<th>IARC</th>
<th>NTP</th>
<th>Weight%</th>
</tr>
</thead>
<tbody>
<tr>
<td>(CAS No. 66402-68-4) Ferrite (Ferrite including manganese)</td>
<td>5mg/m³(Ceiling) (Manganese compounds (as Mn))</td>
<td>0.2mg/m³(TWA) (Manganese and inorganic compounds as Mn)</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>1-10 (as Mn:&lt;2)</td>
</tr>
<tr>
<td>(CAS No. 7631-86-9) Amorphous silica</td>
<td>80mg/m³%SiO₂(TWA)</td>
<td>Not Listed</td>
<td>Group3</td>
<td>Not Listed</td>
<td>1-5</td>
</tr>
<tr>
<td>(CAS No. 13463-67-7) Titanium dioxide</td>
<td>15mg/m³(Total Dust) (TWA)</td>
<td>10mg/m³(TWA)</td>
<td>Group 2B</td>
<td>Not Listed</td>
<td>&lt;1</td>
</tr>
</tbody>
</table>

(Non Hazardous Ingredients)

Polyester resin 1 65-75
Polyester resin 2 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 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.

Section 5. Fire Fighting Measures

Extinguishing Media  Water (Sprinkle with water), Foam, Powder, CO₂ or Dry Chemical Extinguisher.

Fire Fighting Procedure  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  Do not release into drains and surface water.

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

Control Parameters<Reference Data>

| ACGIH TLV(2)-TWA | Inhalable fraction 10mg/m³, Respirable fraction 3mg/m³ |
| OSHA PEL(3)-TWA | Total dust 15mg/m³, Respirable fraction 5mg/m³ |

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                    Not applicable
Melting Point         100-120°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/cm³
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)LD₅₀>2,000mg/kg (Estimated from the data of constituent materials.)[Carrier]
Acute dermal toxicity
(rat)LD₅₀>2,000mg/kg (Estimated from the data of constituent materials.)[Carrier]
Acute inhalation toxicity
(rat)LC₅₀(4hr)>5mg/l (Estimated from the data of constituent materials.)[Carrier]
Acute eye irritation
(rabbit) Non-irritant (Estimated from the data of constituent materials.)[Carrier]
Acute skin irritation
(rabbit) Non-irritant (Estimated from the data of constituent materials.)[Carrier]
Skin sensitization
(mouse)Non-Sensitiser (Estimated from the data of constituent materials.)[Carrier]

Mutagenicity
Ames Test is Negative.[Carrier]

Information of Ingredients:
No reproductive toxicant, according to MAK, TRGS905 and (EC)No 1272/2008 AnnexVI Table3.2.

Reproductive Toxicity
Information of Ingredients:
No reproductive toxicant, according to MAK, California Proposition 65, TRGS905 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, California Proposition 65, TRGS905, 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. 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 the rat's lung clearance mechanism (overload phenomenon).

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/m³) exposure group, and a minimal to mild degree of fibrosis was noted in 22% of the animal in the middle (4mg/m³) exposure group. But no pulmonary change was reported in the lowest (1mg/m³) 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/EC)
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

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)
(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.

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OSHA Occupational Safety and Health Administration
TWA Time Weighted Average
IARC International Agency for Research on Cancer
EPA Environmental Protection Agency (USA)
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MAK Maximale Arbeitsplatzkonzentrationen under Deutsche Forschungsgemeinschaft
TRGS905 Technische Regeln für Gefahrstoffe (Deutsche)
UN United Nations
TSCA Toxic Substances Control Act (USA)
WHMIS Workplace Hazardous Materials Information System(Canada)

End of MSDS
Section 1. Chemical Product and Company Identification

Product Name          Black Developer For TASKalfa 6550ci, 7550ci
Manufacturer          KYOCERA Document Solutions Inc.
Address               KYOCERA Document Solutions America, Inc.
                      225 Sand Road
                      Fairfield, NJ 07004
Telephone Number      (973)-808-8444
Date                  April 02, 2012

Section 2. Composition/Information on Ingredients

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<thead>
<tr>
<th>Hazardous Components (Chemical Identity, Common Name/s)</th>
<th>OSHA PEL SubpartZ</th>
<th>ACGIH TLV</th>
<th>IARC</th>
<th>NTP</th>
<th>Weight%</th>
</tr>
</thead>
<tbody>
<tr>
<td>(CAS No. 66402-68-4) Ferrite (Ferrite including manganese)</td>
<td>5mg/m³ (Ceiling)</td>
<td>0.2mg/m³ (TWA)</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>85-95 (as Mn:15-20)</td>
</tr>
<tr>
<td>(CAS No. 1333-86-4) Carbon Black</td>
<td>3.5mg/m³ (TWA)</td>
<td>3.5mg/m³ (TWA)</td>
<td>Group2B</td>
<td>Not Listed</td>
<td>&lt;1</td>
</tr>
</tbody>
</table>

(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 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 Do not rub eyes. 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.

Section 5. Fire Fighting Measures

Extinguishing Media Water (Sprinkle with Water), Foam, Powder, CO₂ or Dry Chemical Extinguisher.

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 Do not release into drains and surface water.

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

Control Parameters<Reference Data>

ACGIH TLV(2)-TWA Inhalable fraction 10mg/m³, Respirable fraction 3mg/m³
OSHA PEL(3)-TWA Total dust 15mg/m³, Respirable fraction 5mg/m³

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

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Solid</th>
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</thead>
<tbody>
<tr>
<td>Form</td>
<td>Fine powder</td>
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<tr>
<td>Color</td>
<td>Black</td>
</tr>
<tr>
<td>Odor</td>
<td>Odorless</td>
</tr>
<tr>
<td>pH</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Melting Point</td>
<td>No data available</td>
</tr>
</tbody>
</table>

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/cm³

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)LD₅₀>2,000mg/kg (Estimated from other products containing same materials.) [Toner]
(rat)LD₅₀>2,500mg/kg (Estimated from the data of constituent materials.) [Carrier]

Acute dermal toxicity

(rat)LD₅₀>2,000mg/kg (Estimated from Acute oral toxicity for same product.) [Toner]
(rat)LD₅₀>2,000mg/kg (Estimated from the data of constituent materials.) [Carrier]

Acute inhalation toxicity

(rat)LC₅₀(4hr)>5.0mg/l (Estimated from other products containing same materials.) [Toner]

Acute eye irritation

(rabbit) Minimal irritant (Estimated from other products containing same materials.) [Toner]

Acute skin irritation

(rabbit) Non-irritant (Estimated from other products containing same materials.) [Toner]
(rabbit) Non-irritant (Estimated from the data of constituent materials.) [Carrier]

Skin sensitization

(mouse) Non-Sensitiser (Estimated from other products containing same materials.) [Toner]
(guinea pig) Non-Sensitiser (Estimated from the data of constituent materials.) [Carrier]

Mutagenicity

Ames Test is Negative. [Toner]
Ames Test is Negative. (Estimated from the data of constituent materials.) [Carrier]

Information of Ingredients

No mutagen, according to MAK, TRGS905 and (EC)No 1272/2008; Annex VI Table 3.2.

Reproductive Toxicity

Information of Ingredients

No reproductive toxicant, according to MAK, California Proposition 65, TRGS905 and (EC) No 1272/2008 Annex VI Table 3.2.

Carcinogenicity

Information of Ingredients

No carcinogen or potential carcinogen (except carbon black) according to IARC, Japan Association on Industrial Health, ACGIH, EPA, OSHA, NTP, MAK, California Proposition 65, TRGS905 and (EC) No 1272/2008 Annex VI Table 3.2.

The IARC reevaluated carbon black 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.(4) The evaluation of carbon black 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.

The 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.(1)

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/m³) exposure group, and a minimal to mild degree of fibrosis was noted in 22% of the animal in the middle (4mg/m³) exposure group.(1) But no pulmonary change was reported in the lowest (1mg/m³) 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

<table>
<thead>
<tr>
<th>UN No.</th>
<th>None</th>
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<tbody>
<tr>
<td>UN Shipping Name</td>
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<td>UN Classification</td>
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<tr>
<td>UN Packing Group</td>
<td>None</td>
</tr>
<tr>
<td>Special Precautions</td>
<td>None</td>
</tr>
</tbody>
</table>

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/EC)
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.

<Reference>
(1) Pulmonary Response to Toner upon Chronic Inhalation Exposure in Rats H. Muhle et. al Fundamental and Applied Toxicology 17.280-299(1991)
(2) 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)
(3) ACGIH TLV (Threshold Limit Values)
(4) OSHA PEL (Permissible Exposure Limits)
*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)
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MAK: Maximale Arbeitsplatzkonzentrationen under Deutsche Forschungsgemeinschaft
TRGS905: Technische Regeln für Gefahrstoffe (Deutsche)
UN: United Nations
TSCA: Toxic Substances Control Act (USA)
WHMIS: Workplace Hazardous Materials Information System(Canada)

End of MSDS
Section 1. Chemical Product and Company Identification

Product Name: Cyan Developer For TASKalfa 6550ci, 7550ci
Manufacturer: KYOCERA Document Solutions Inc.
Address: KYOCERA Document Solutions America, Inc.
225 Sand Road
Fairfield, NJ 07004
Telephone Number: (973)-808-8444
Date: April 02, 2012

Section 2. Composition/Information on Ingredients

Hazardous Components

<table>
<thead>
<tr>
<th>(Chemical Identity, Common Name/s)</th>
<th>OSHA PEL Subpart Z</th>
<th>ACGIH TLV</th>
<th>IARC</th>
<th>NTP</th>
<th>Weight%</th>
</tr>
</thead>
<tbody>
<tr>
<td>(CAS No. 66402-68-4) Ferrite (Ferrite including manganese)</td>
<td>5mg/m³(Ceiling) (Manganese compounds (asMn))</td>
<td>0.2mg/m³(TWA) (Manganese and inorganic compounds as Mn)</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>85-95 (as Mn:15-20)</td>
</tr>
<tr>
<td>(Non Hazardous Ingredients)</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Polyester resin</td>
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<td></td>
<td>5-10</td>
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</tr>
</tbody>
</table>

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**
Do not rub eyes. 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.

Section 5. Fire Fighting Measures

**Extinguishing Media**
Water (Sprinkle with Water), Foam, Powder, C0₂ or Dry Chemical Extinguisher.

**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**
Do not release into drains and surface water.

**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

**Control Parameters<Reference Data>**

ACGIH TLV<sub>(2)</sub>-TWA
Inhalable fraction 10mg/m³, Respirable fraction 3mg/m³

OSHA PEL<sub>(3)</sub>-TWA
Total dust 15mg/m³, Respirable fraction 5mg/m³

**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
- pH: Not applicable

Melting Point: No data available

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/cm³

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)LD₅₀>2,000mg/kg (Estimated from other products containing same materials.) [Toner]
(rat)LD₅₀>2,500mg/kg (Estimated from the data of constituent materials.) [Carrier]

Acute dermal toxicity: (rat)LD₅₀>2,000mg/kg (Estimated from acute oral toxicity for same product.) [Toner]
(rat)LD₅₀>2,000mg/kg (Estimated from the data of constituent materials.) [Carrier]

Acute inhalation toxicity: (rat)LC₅₀(4 hr)>5.0mg/l (Estimated from other products containing same materials.) [Toner]

Acute eye irritation: (rabbit) Minimal irritant (Estimated from other products containing same materials.) [Toner]
(rabbit) Non irritant (Estimated from the data of constituent materials.) [Carrier]

Acute skin irritation: (rabbit) Non irritant (Estimated from other products containing same materials.) [Toner]
(rabbit) Non irritant (Estimated from the data of constituent materials.) [Carrier]

Skin sensitization: (mouse) Non-Sensitizer (Estimated from other products containing same materials.) [Toner]
(guinea pig) Non-Sensitizer (Estimated from the data of constituent materials.) [Carrier]

Mutagenicity: Ames Test is Negative. [Toner]
Ames Test is Negative. [Estimated from the data of constituent materials.] [Carrier]

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

Reproductive Toxicity: No reproductive toxicant, according to MAK, California Proposition 65, TRGS905 and (EC) No 1272/2008 AnnexVI Table 3.2.

Carcinogenicity: No carcinogen or potential carcinogen according to IARC, Japan Association on Industrial Health, ACGIH, EPA, OSHA, NTP, MAK, California Proposition 65, TRGS905 and (EC) No 1272/2008 AnnexVI Table 3.2.

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/m³) exposure group, and a minimal to mild degree of fibrosis was noted in 22% of the animal in the middle (4mg/m³) exposure group. But no pulmonary change was reported in the lowest (1mg/m³) 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
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Canada Information
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EU Information
Label information according to the Directives 67/548/EEC and 1999/45/EC)
Symbol & Indication Not required
R-Phrase Not required
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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.

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EPA Environmental Protection Agency (USA)
NTP National Toxicology Program
MAK Maximale Arbeitsplatzkonzentrationen under Deutsche Forschungsgemeinschaft
TRGS905 Technische Regeln für Gefahrstoffe (Deutsche)
UN United Nations
TSCA Toxic Substances Control Act (USA)
WHMIS Workplace Hazardous Materials Information System(Canada)

End of MSDS

Cyan Developer For TASKalfa 6550ci, 7550ci Page 4 of 4 4/2/2012
MATERIAL SAFETY DATA SHEET

Section 1. Chemical Product and Company Identification

Product Name: Magenta Developer For TASKalfa 6550ci, 7550ci
Manufacturer: KYOCERA Document Solutions Inc.
Address: KYOCERA Document Solutions America, Inc.
225 Sand Road
Fairfield, NJ 07004
Telephone Number: (973)-808-8444
Date: April 02, 2012

Section 2. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Hazardous Components</th>
<th>OSHA PEL SubpartZ</th>
<th>ACGIH TLV</th>
<th>IARC</th>
<th>NTP</th>
<th>Weight%</th>
</tr>
</thead>
<tbody>
<tr>
<td>(CAS No. 66402-68-4)</td>
<td>Ferrite (Ferrite including manganese)</td>
<td>5mg/m³(Ceiling)</td>
<td>0.2mg/m³(TWA)</td>
<td>Not Listed</td>
<td>Not Listed</td>
</tr>
<tr>
<td>(Non Hazardous Ingredients)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Polyester resin</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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**
Do not rub eyes. 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.

Section 5. Fire Fighting Measures

**Extinguishing Media**
Water (Sprinkle with Water), Foam, Powder, CO₂ or Dry Chemical Extinguisher.

**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**
Do not release into drains and surface water.

**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

**Control Parameters**

- ACGIH TLV(2)-TWA: Inhalable fraction 10mg/m³, Respirable fraction 3mg/m³
- OSHA PEL(3)-TWA: Total dust 15mg/m³, Respirable fraction 5mg/m³

**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

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Solid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>Fine powder</td>
</tr>
<tr>
<td>Color</td>
<td>Magenta</td>
</tr>
<tr>
<td>Odor</td>
<td>Odorless</td>
</tr>
<tr>
<td>pH</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Melting Point</td>
<td>No data available</td>
</tr>
</tbody>
</table>

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/cm³

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) LD₅₀ > 2,000 mg/kg [Estimated from other products containing same materials.] [Toner]
(rat) LD₅₀ > 2,500 mg/kg [Estimated from the data of constituent materials.] [Carrier]

Acute dermal toxicity
(rat) LD₅₀ > 2,000 mg/kg [Estimated from Acute oral toxicity for same product.] [Toner]
(rat) LD₅₀ > 2,000 mg/kg [Estimated from the data of constituent materials.] [Carrier]

Acute inhalation toxicity
(rat) LC₅₀ (4 hr) > 5.0 mg/l [Estimated from other products containing same materials.] [Toner]

Acute eye irritation
(rabbit) Minimal irritant [Estimated from other products containing same materials.] [Toner]

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

Skin sensitization
(mouse) Non-Sensitizer [Estimated from other products containing same materials.] [Toner]

Mutagenicity
Ames Test is Negative. [Toner]
Ames Test is Negative. [Estimated from the data of constituent materials.] [Carrier]

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, California Proposition 65, TRGS905 and (EC)No 1272/2008 AnnexVI Table 3.2.

Carcinogenicity

Information of Ingredients
No carcinogen or potential carcinogen according to IARC, Japan Association on Industrial Health, ACGIH, EPA, OSHA, NTP, MAK, California Proposition 65, TRGS905 and (EC)No 1272/2008 AnnexVI Table 3.2.

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/m³) exposure group, and a minimal to mild degree of fibrosis was noted in 22% of the animal in the middle (4mg/m³) exposure group. But no pulmonary change was reported in the lowest (1mg/m³) 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/EC)
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.

<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)
*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)
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End of MSDS
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225 Sand Road
Fairfield, NJ 07004
Telephone Number: (973)-808-8444
Date: April 02, 2012

Section 2. Composition/Information on Ingredients

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<th>Hazardous Components (Chemical Identity, Common Name/s)</th>
<th>OSHA PEL SubpartZ</th>
<th>ACGIH TLV</th>
<th>IARC</th>
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<tr>
<td>(CAS No. 66402-68-4) Ferrite (Ferrite including manganese)</td>
<td>5mg/m³ (Ceiling) (Manganese compounds (as Mn))</td>
<td>0.2mg/m³ (TWA) (Manganese and inorganic compounds as Mn)</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>85-95 (as Mn:15-20)</td>
</tr>
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</table>

(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 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  Do not rub eyes. 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.

Section 5. Fire Fighting Measures

Extinguishing Media  Water (Sprinkle with Water), Foam, Powder, CO2 or Dry Chemical Extinguisher.

Fire Fighting Procedure  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  Do not release into drains and surface water.

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

Control Parameters<Reference Data>

ACGIH TLV(2)-TWA  Inhalable fraction 10mg/m³, Respirable fraction 3mg/m³
OSHA PEL(3)-TWA  Total dust 15mg/m³, Respirable fraction 5mg/m³

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

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<th>Property</th>
<th>Value</th>
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3.5-5.0g/cm³

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Hazardous Decomposition Products

None

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Acute eye irritation

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Skin sensitization

(mouse) Non-Sensitizer (Estimated from other products containing same materials.) [Toner]
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Mutagenicity

Ames Test is Negative. [Toner]
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