Page 1 of 6

MSDS No.: TK960-KDAU-01 Issue/ Revision date: April 1, 2012



MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name : Black Toner for KM-4800w/ TASKalfa 4820w (TK-960)

Manufacturer

Name : KYOCERA Document Solutions Inc.

Address : 2-28, 1-Chome, Tamatsukuri, Chuo-ku, Osaka, Japan, 540-8585

Supplier

Name : KYOCERA Document Solutions Australia Pty. Ltd.

Address : Level 3, 6-10 Talavera Road, North Ryde, New South Wales 2113,

Australia

Telephone Number : +61-2-9888-9999

Emergency Telephone: 131 126 (24 hours) Poison Information Centre.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance or preparation; Preparation

Ingredients;

| Chemical Name | CAS No. | Weight % | OSHA PEL | ACGIH TLV |
|-------------------|--------------|----------|---|----------------------|
| (Common Name) | | | | |
| Polyester resin 1 | Confidential | 65-75 | Not listed | Not listed |
| Polyester resin 2 | Confidential | 15-25 | Not listed | Not listed |
| Carbon black | 1333-86-4 | 3-7 | 3.5mg/m ³ | 3.5mg/m ³ |
| Polypropylene | Confidential | 1-5 | Not listed | Not listed |
| Silica | 7631-86-9 | 1-3 | 80mg/m ³ /%SiO ₂ | Not listed |

3. HAZARDS IDENTIFICATION

[Potential Health Effects]

Ingestion Effects : Ingestion is not applicable route of entry for intended use.

Inhalation Effects : Minimal respiratory tract irritation may occur with exposure to large

amount of toner dust.

Eye Effects : Solid or dusts may cause irritation or scratch the surface of eye.

Skin Effects : Unlikely to cause skin irritation.

MSDS No.: TK960-KDAU-01

Issue/ Revision date: April 1, 2012

[Environmental Hazards]

No particular hazards known.

4. FIRST-AID MEASURES

Ingestion : Dilute stomach contents with several glasses of water. Get medical attention if

symptoms persist.

Inhalation : Move person to fresh air immediately. If symptoms occur, consult a physician.

Eye Contact : Immediately flush with large amount of clean water for at least 15 minutes.

If irritation persists, consult a physician.

Skin Contact : Wash affected areas thoroughly with soap and water. If irritation persists,

consult a physician.

5. FIRE-FIGHTING MEASURES

Extinguishing Media : CO₂, water, dry chemical

Special Fire-fighting Procedure : None

Unusual Fire & Explosion Hazards: Toner material, like most organic material in powder form, is

capable of creating a dust explosion.

6. ACCIDENTAL RELEASE MEASURES

Spill and Leakage Procedure:

Wear personal protective equipment as described in Section 8. Avoid breathing dust. Minimize the release of particles. Gather the released toner not to blow away and to wipe up with a wet cloth. Dispose of waste toner in accordance with local requirements.

Environmental precautions:

Do not discharge into drains.

7. HANDLING AND STORAGE

Advise on safe handling and protection against fire:

Keep material out of reach of children. Avoid inhalation of dust and contact with eyes.

Keep away from excessive heat, sparks, and open flames.

Requirements for storage rooms and advice on compatibility:

Keep out of the reach of children. Keep container closed and store at room temperature.

Keep away from strong oxidizers.

Page 3 of 6

MSDS No.: TK960-KDAU-01 Issue/ Revision date: April 1, 2012

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits For Toner:

ACGIH TLV: 10mg/m³ (Inhalable Particulate), 3mg/m³ (Respirable Particulate)

Respiratory Protection : Not required under intended use.

Ventilation : Good general ventilation should be sufficient under intended

use.

Protective Gloves : Not required under intended use.

Eye Protection : Not required under intended use.

Other Protective Equipment : Not required under intended use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and odor : Fine black powder, slight plastic odor.

Density : 1.1-1.3g/ cm³
Boiling Point : Not applicable

Melting Point : 120-130 degrees centigrade (Softening Point)

Vapor Pressure : Not applicable Solubility in Water : Negligible

Solubility in Other Solvent : Partially soluble in toluene and THF

Percent Volatile by Volume : Not applicable Flammable Limits : Not applicable

Flammability:

No test data available. Based on the EC labeling criteria, any components in this product are not classified as the dangerous category of "extremely flammable", "highly flammable" and "flammable".

Explosibility:

No test data available. Based on the EC labeling criteria, any components in this product are not classified as the dangerous category of "explosive".

10. STABILITY AND REACTIVITY

Stability & Reactivity : Stable. Hazardous polymerization will not occur.

Materials to Avoid : None

Hazardous Decomposition Products:

Combustion will produce carbon dioxide and, possibly toxic chemicals such as carbon

monoxide.

MSDS No.: TK960-KDAU-01

Issue/ Revision date: April 1, 2012

11. TOXICOLOGICAL INFORMATION

Acute Effects

Oral : Acute oral LD₅₀ of the toner was estimated to be greater than 2000mg/kg in the

rat.

Dermal : No data available. Based on the EC labeling criteria, any components of the

toner are not classified as the dangerous category of "very toxic", "toxic" and

"harmful" when absorbed via the skin.

Inhalation : No data available. Based on the EC labeling criteria, any components of the

toner are not classified as the dangerous category of "very toxic", "toxic" and

"harmful" when inhaled.

: Based on the EC labeling criteria, the toner was classified as a non-irritant to Eye Contact

the ocular tissue of the rabbit.

Skin Contact : Based on the EC evaluation criteria, the toner was classified as a non-irritant to

the skin of the rabbit.

Sensitization:

No data available. Based on the EC labeling criteria, any components of the toner are not classified as the dangerous category of "sensitizing" if they penetrate the skin.

Chronic Toxicity

Oral : No data available. Based on the EC labeling criteria, any components in this

product are not required a risk phrase R48 (danger for serious damage to health

by prolonged exposure).

Dermal : No data available. Based on the EC labeling criteria, any components in this

product are not required a risk phrase R48 (danger for serious damage to health

by prolonged exposure).

Inhalation:

No data available.

In a study in rats of 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 animals 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.

Based on the EC labeling criteria, any components in this product are not required a risk phrase R48 (danger for serious damage to health by prolonged exposure).

Mutagenicity: The result of Ames test of the toner was negative.

Carcinogenicity:

No data available. Based on the EC labeling criteria, any components of the toner are not

MSDS No.: TK960-KDAU-01 Issue/ Revision date: April 1, 2012

classified as the dangerous category of "carcinogenic" if they are inhaled or ingested or if they penetrate the skin.

In 1996 the IARC reevaluated carbon black as a Group 2B carcinogen (possible human carcinogen). This classification is given to chemicals for which there is inadequate human evidence, but sufficient animal evidence on which to base an opinion of carcinogenicity. The classification is based upon the development of lung tumors in rats receiving chronic inhalation exposures to free carbon black at levels that induce particle overload of the lung. Studies performed in animal models other than rats did not show any association between carbon black and lung tumors. Moreover, a two-year cancer bioassay using a typical toner preparation containing carbon black demonstrated no association between toner exposure and tumor development in rats.

Reproductive Toxicity:

No test data available. Based on the EC labeling criteria, any components of the toner are not classified as the dangerous category of "toxic for reproduction" if they are inhaled or ingested or if they penetrate the skin.

12. ECOLOGICAL INFORMATION

No data available for ecological and wastewater treatment (sewage) systems. Avoid spills and dispose of in accordance with applicable laws and regulations.

Environmental Effects:

No data available. Based on the EC labeling criteria, any components of the toner are not classified as the dangerous category of "dangerous for the environment".

13. DISPOSAL CONSIDERATIONS

[Waste From This Product]

Waste material may be dumped or incinerated on condition that meets all country, state and local environmental regulations.

Recommendation: consult with the disposal agency and the relevant authorities; cleansing agent is water.

14. TRANSPORT INFORMATION

[International Transport Information]

UN Number: None Hazards Class: None

Issue/ Revision date: April 1, 2012

15. REGULATORY INFORMATION

California Proposition 65:

Ingredient carbon black subject to California Proposition 65 is bound in polymer-matrices so that warnings are not required.

Label Information According to the DIRECTIVE 1999/45/EC (EU): None

16. OTHER INFORMATION

IMSDS STATUSI

References:

- 1. COMMISSION DIRECTIVE 2004/73/EC of 29 April 2004 adapting to the technical progress for the 29th time Council Directive 67/548/EEC on the approximation of the laws, regulations and administrative provisions relating to the classification, packaging and labeling of dangerous substances
- DIRECTIVE 1999/45/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 May 1999 concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labeling of dangerous preparations

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.