MATERIAL SAFETY DATA SHEET

Date/ Revision: June 9, 2009

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name : Black Toner for TASKalfa 550c, 650c, 750c

Manufacturer

Name : KYOCERA MITA CORPORATION

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

Supplier

Name : KYOCERA MITA Europe B.V

Address : Hoeksteen 40, 2132 MS Hoofddorp, Netherlands

Telephone Number : +31(0)20-6540000

2. COMPOSITION/ INFORMATION ON INGREDIENTS

Substance or preparation ; Preparation

Major Ingredients ;

Chemical Name(Common Name)	CAS No.	Weight %
Polyester resin	Confidential	60-80
Carbon Black	1333-86-4	< 10
Wax	Confidential	< 10
Amorphous Silica	7631-86-9	< 5

3. HAZARDS IDENTIFICATION

Emergency Overview : If used as intended, the product does not present acute or chronic health hazard.

Physical Hazards : This product is not classified as flammable or combustible.
It will burn in case of fire.
Avoid contact with strong oxidizers such as chromate, bromate and nitrates.

Routes of Exposure : Inhalation, dermal contact, incidental ingestion

Inhalation : Excessive inhalation may cause irritation of the nose, throat and respiratory tract.

Eye Contact : Non-irritant.

Dermal Contac : Non-irritant, non-sensitiser.

Ingestion : Not currently known.

Chronic Effects : See Section 11 Supplemental Health Information.

Carcinogenicity : See Section 11 Supplemental Health Information.

Reproductive/Developmental : Not identified.

Target Organs : Prolonged breathing of high concentrations may cause adverse effects on the respiratory system.

Signs and Symptoms of Exposure

: Prolonged exposure to dusts of this product may irritate the respiratory system.

Medical Conditions Aggravated by Exposure to This Product

: Respiratory disorders, such as asthma, may be aggravated by prolonged exposure to high concentrations of this product.

4. FIRST-AID MEASURES

Eye Contact : Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists, call a physician.

Skin Contact : Wash with soap and water. Wash clothing before reuse. If irritation occurs or is persistent, seek medical attention.

Ingestion : Dilute stomach contents with several glasses of water.

Inhalation : Remove from exposure area to fresh air immediately. Contact a physician if there is any difficulty in breathing or other signs of distress.

5. FIRE-FIGHTING MEASURES

General Hazard : Product will burn in case of fire.

Flash Point : Not applicable

Flammable Limits : Not applicable

Autoignition Temperature : Not applicable

Flammability classification : Not applicable

Extinguishing Media : Foam, halon, carbon dioxide, dry chemical & water fog.

Unusual Fire & Explosion Hazard

: Combustible powder. Dust of this product at sufficient concentrations can form explosive mixtures with air.

Fire Fighting Procedures : None

Hazardous Combustion Products

: Carbon monoxide, carbon dioxide and smoke.

6. ACCIDENTAL RELEASE MEASURES

Spills or Leaks : Vacuum-clean spilled toner and carefully transfer into sealable waste container. If no vacuum-cleaner is available, sweep slowly to minimize generation of dust during clean-up. Residue can be removed with soap and cold water.

7. HANDLING AND STORAGE

Handling : Avoid dust, keep away from ignition sources.

Prevention of Fire and Explosion
: This material is capable of creating a dust explosion.
Keep away from heat, sparks & flame.

Storage : Keep container in cool and dry area.

Hygienic Practices : Avoid inhalation and ingestion. Avoid getting in eyes, on skin or clothing.
Wash hands thoroughly after handling, and before eating, drinking, or smoking.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

OSHA PELs (TWA)
- as the product : 15mg/m^3 (Total dust)
  5mg/m^3 (Respirable fraction)
- Carbon black : 3.5 mg/m^3
- Other substances : Not listed

ACGIH TLVs (TWA)
- as the product : 10mg/m^3 (Total dust)
  3mg/m^3 (Respirable fraction)
- Carbon black : 3.5 mg/m^3
- Other substances : Not listed

DFG-MAK (TWA)
- as the product : 4mg/m^3 (Inhalable fraction)
  1.5mg/m^3 (Respirable fraction)
- All substances : Not listed

NOHSC (TWA)
- All substances : Not listed

Engineering Controls : Maintain adequate ventilation.

Eye Protection : Not required under intended use.

Skin Protection : Not required under intended use.

Respiratory Protection : Not required under intended use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Fine solid powder

Color : Black

Scent : Odorless

Melting Point : 110 - 150 degree (Softening point)

Specific Gravity(H2O=1) : 1.1 - 1.5

Vapor Pressure : Not applicable

Vapor Density (Air=1) : Not applicable

Evaporation Rate : Not applicable

Solubility in Water : Negligible
pH Value : Not a water-based product, therefore not applicable.

10. STABILITY AND REACTIVITY

Stability : Stable
Incompatibility : Not identified.
Hazardous Decomposition Products
: Carbon monoxide and carbon dioxide.
Hazardous Polymerization : Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 is greater than 2,000mg/kg.
(This was the highest attainable mass.)
Acute inhalation : LC50(4H) is in excess of 5.13mg/l.
(This was the highest attainable concentration.)
Eye irritation : Non-irritant.
Skin irritation : Non-irritant.
Skin sensitization : Non-sensitiser.
Mutagenicity : Negative in the Ames test.
Carcinogenicity : In 1996, the IARC classified carbon black as a Group 2B carcinogen (possible human carcinogen).
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 (16 mg/m^3)exposure group, and a minimal to mild degree of fibrosis was noted in 22% of the animals in the middle (4 mg/m^3) exposure group. These findings are attributed to "lung overloading", a general response to excessive amounts of any dust retained in the lungs for a prolonged period.

12. ECOLOGICAL INFORMATION

Aquatic environment : LC50 is greater than 1000mg/L (fish)
: EC50 is greater than 1000mg/L (daphnia)
: EbC50 is greater than 1000mg/L (Algal)
(This was the highest attainable mass.)

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state and federal regulation.
Empty plastic container may be recycled.

14. TRANSPORT INFORMATION

Special Precautions : None

International Transport Information

UN Classification Number : Not applicable

DOT Identification Number : Not applicable

Domestic Transportation : Not applicable

Other Information : Not applicable

15. REGULATORY INFORMATION

IARC : See section 11.

US/Canada Information

OSHA Hazard Communication Standard, 29CFR 1910. 1200
: Not regulated.

Toxic Substance Control Act (TSCA)
: All chemical substances in this product comply with all applicable rules or orders under TSCA.

RCRA (40 CFR 261) : Product or components not listed.

CERCLA/SARA Information : Not regulated.

NTP Annual Report on Carcinogens
: Not listed as an NTP carcinogen.

California Proposition 65 : Neither toner, or any of the components, are listed as chemicals known to the State of California to cause cancer or reproductive system effects.

Controlled Products Regulations(Canada)
: This product has been classified in accordance with the hazard criteria of the CPR.

Workplace Hazardous Materials Information System(Canada)
: No toxicology information available.

Other State Regulations : Carbon black is listed in the New Jersey Right to Know List, Pennsylvania Hazardous Substance List, and Massachusetts Substance List.

U.S./Canada Label Statements
: LOW HAZARD FOR RECOMMENDED HANDLING. Minimize dust generation and accumulation. Use with adequate ventilation.

EU Information

Label Information According to Directives 67/548 EEC & 1999/45 EC

Symbol & Indication : Not required

Risk Phrase : Not required

Safety Advise Phrase : Not required

76/769/EEC : All chemical substances in this product comply with all applicable rules or order under 76/769/EEC.

National requirement : : No specific regulations or restrictions.

Regulation (EC) No. 1907/2006 (REACH)
: All chemical substances in this product comply with all applicable rules or order under 1907/2006

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.

National Fire Protection Association (NFPA) Classification :

Flammability	: 1
Reactivity	: 0
Health	: 0

(0 = insignificant, 1 = slight)

Hazardous Materials Information Systems (HMIS) :

Red (Flammability)	: 1
Yellow (Reactivity)	: 0
Blue (Acute Effects)	: 0

(0 = insignificant, 1 = slight)

References : IARC (1996) IARC Monographs on the Evaluation of the Carcinogenic Risks of Chemicals to Humans, Vol. 65, Printing Processes and Printing Inks, Carbon Black and Some Nitro Compounds, Lyon, pp. 149-261.
H. Muhle, B. Bellmann, O. Creutzenberg, C. Dasenbrock, H. Ernst, R. Kilpper, J. C. MacKenzie, P. Morrow, U. Mohr, S. Takenaka, and R. Mermelstein (1991).
Pulmonary Response to Toner upon Chronic Inhalation Exposure in Rats, Fundamental and Applied Toxicology 17, pp. 280-299.

Abbreviation : (1) OSHA PEL stands for Permissible Exposure Limit under Occupational Safety and Health Administration (USA).
(2) ACGIH TLV stands for Threshold Limit Value under American Conference of Governmental Industrial Hygienists (USA).
(3) DFG-MAK stands for Maximale Arbeitsplatzkonzentrationen under Deutsche Forschungsgemeinschaft.
(4) TWA stands for Time Weighted Average.
(5) IARC stands for International Agency for Research on Cancer.
(6) NTP stands for National Toxicology Program (USA).
(7) NIOSH stands for National Institute for Occupational Safety and Health (USA).
(8) DOT stands for Department of Transportation (USA).
(9) NOHSC stands for National Occupational Heath and Safety Commission (Australia).