TOSHIBA MATERIAL SAFETY DATA SHEET

Date of Preparation Date of Revised : March 8, 2011

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MSDS: TFC25KE1W Page 1 of 6

: +49-2131-1245-0

(European Headquarter)

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION			
Product Name	: T-FC25E-K		
Used for Company Name Address Telephone Number Manufacturer Name	 Toshiba MFP e-STUDIO 2040C,2540C,3040C,3540C, and 4540C Toshiba TEC Corporation 2-17-2, Higashigotanda, Shinagawa-ku, Tokyo, 141-8664, Japan +81-3-6422-7700 (1) Toshiba Tec Europe Imaging Systems S.A. Euro Channel Martine Eglise Neuville Les Dieppe, France 76370 		
Contact	: (1) Toshiba TEC Germany Imaging Systems GmbH		

Telephone. No.

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT(S)	CAS No.	<u>wt.%</u>
Polyester resin		80-90
Carbon black	1333-86-4	3-8
Wax		<10
Amorphous Silica	7631-86-9	<5
Titanium dioxide	13463-67-7	<2

--- TRADE SECRET

SECTION 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

MATERIAL SAFETY DATA SHEET

: T-FC25E-K

MSDS: TFC25KE1W Page 2 of 6

Inhalation	: Excessive inhalation may cause irritation of the nose,
	throat and respiratory tract.
Eye Contact	: Non-irritant.
Dermal Contact	: 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 Expo	sure
	: Prolonged exposure to dusts of this product may irritate the respiratory system
Medical Conditions Aggravate	ed by Exposure to This Product
	: Respiratory disorders, such as asthma, may be aggravated
	by prolonged exposure to high concentrations of this product.

SECTION 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.

SECTION 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.

SECTION 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.

MATERIAL SAFETY DATA SHEET

: T-FC25E-K

MSDS: TFC25KE1W Page 3 of 6

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SECTION 7 HANDLIN	G AND STORAGE
Handling	: Avoid dust, keep away from ignition sources.
Prevention of Fire and Expl	
	: 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.
	RE CONTROLS/PERSONAL PROTECTION
Exposure Limits	
OSHA PELs (TWA)	2
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

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.

SECTION 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.
Explosive Properties:	: little possiblity in intended use.
	According to Explosive Evaluation, can form explosive dust-air mixtures
	when finely dispersed in air, like most finely grained organic powders.

MATERIAL SAFETY DATA SHEET

ntity : T-FC25E-K

MSDS : TFC25KE1W Page 4 of 6

SECTION 10 STABILITY AND REACTIVITY

Stability	: Stable	
Incompatibility	: Not identified.	
Hazardous Decomposition Products		
	: Carbon monoxide and carbon	dioxide.
Hazardous Polymerization:	: Will not occur.	
SECTION 11 SUPPLEM	<u>1ENTAL HEALTH INFORMA</u>	TION_
Acute oral toxicity	: LD50 is greater than	2,000mg/kg.
(This was the highest attainable mass.)		le mass.)
Acute inhalation	: LC50(4H) is in excess of	5.13mg/l.
	(This was the highest attainab	le 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 of	arbon black as a Group 2B carcinogen
	(possible human carcinogen).	
Chronic Effects :	: In a study in rats by chronic in	halation exposure to a typical toner, a mild
	to moderate degree of lung fi	brosis was observed in 92 % of the rats in
	the high concentration (16 mg	g/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. Thes	se findings are attributed to "lung
	overloading", a general respor	nse to excessive amounts of any dust
	retained in the lungs for a prol	onged period.

SECTION 12 ECOLOGICAL INFORMATION

Aquatic environmennt	: 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.)		e mass.)

SECTION 13 DISPOSAL CONSIDERATION

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

SECTION 14 TRANSPORTATION INFORMATION

Special Precautions	: None		
International Transport Information			
UN Classification Number	: Not applicable		
Land DOT 49 CFR, ADR	: Not classified as Dangeous Goods		
Sea IMDG Code	: Not classified as Dangeous Goods		
Air ICAO-TI	: Not classified as Dangeous Goods		

IARC

MATERIAL SAFETY DATA SHEET

MSDS: TFC25KE1W

Page 5 of 6 SECTION 15 REGULATORY INFORMATION : 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

: T-FC25E-K

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 chamical substances in this product comply with all			

: All chemical substances in this product comply with all applicable rules or order under 1907/2006

SECTION 16 OTHER INFORMATION

National Fire Protection A	sso	ciation (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)			

Product Identity	MATERIAL SAFETY : T-FC25E-K	DATA SHEET MSDS : TFC25KE1W Page 6 of 6
Notice	such information, Toshiba Corpo	ser's responsibility. care has been taken in the preparation of pration extends no warranties, makes no o responsibility as to the accuracy for application to purchaser's
References	 IARC (1996) IARC Monographs of Carcinogenic Risks of Chemicals Processes and Printing Inks, Car Compounds, Lyon, pp. 149-261. H. Muhle, B. Bellmann, O. Creutz H. Ernst, R. Kilpper, J. C. MacKe S. Takenaka, and R. Mermelstein Pulmonary Response to Toner u in Rats, Fundamental and Applie 	s to Humans, Vol. 65, Printing rbon Black and Some Nitro zenberg, C. Dasenbrock, enzie, P. Morrow, U. Mohr, n (1991). pon Chronic Inhalation Exposure
Abbreviation	 Deutsche Forschungsgemein (4) TWA stands for Time Weighte (5) IARC stands for International (6) NTP stands for National Toxic (7) NIOSH stands for National In Health (USA). (8) DOT stands for Department of 	alth Administration (USA). hold Limit Value under American I Industrial Hygienists (USA). ale Arbeitsplatzkonzentrationen under nschaft. ed Average. Agency for Research on Cancer. cology Program (USA). istitute for Occupational Safety and
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