

# TOSHIBA MATERIAL SAFETY DATA SHEET

Date of Preparation : January 27, 2014  
Date of Revised :

MSDS : TFC75CU0W  
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## SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name : T-FC75U-C  
Used for : Toshiba MFP, e-STUDIO 5560C,6560C and 6570C  
Company Name : Toshiba TEC Corporation  
Address : Gate City Osaki West Tower  
1-11-1, Osaki, Shinagawa-ku, Tokyo, 141-0032, Japan  
Telephone Number : +81-3-6830-9100  
Manufacturer Name : (1) Toshiba America Business Solutions, Inc  
Toner Products Division (Mitchell Plant)  
901 North Foster Street, Mitchell, SD. 57301-0070 U.S.A.  
  
Contact : (1) Toshiba America Business Solutions, Inc.  
Emergency Telephone. No. : +1-800-424-9300  
For calls within the U.S. only.  
  
(2) Toshiba of Canada Limited  
Telephone. No. : +1 905 470 3500  
For calls within Canada only.

## SECTION 2 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  
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.

## SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT(S)</u>	<u>CAS No.</u>	<u>wt.%</u>
Polyester resin	---	60-80
Organic Pigment	---	<10
Wax	---	<10
Amorphous Silica	68909-20-6	<5
Zinc stearate	557-05-1	<1
Titanium dioxide	13463-67-7	<0.9
	---	TRADE SECRET

Chemical Name : Titan Oxide (13463-67-7)

OSHA Z-Tables (USA)	: 15mg/m3	ACGIH-TLV	: 10mg/m3
NTP (USA)	: Not listed	IARC Monograph	: Group 2B
Symbol (EU)	: Not listed	R-Phrase (EU)	: Not listed
DFG-MAK (GER)	: Not listed	OELs-TWA (Australia)	: 10mg/m3

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## 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.

## SECTION 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.
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## SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Limits

#### OSHA PELs (TWA)

as the product : 15mg/m<sup>3</sup> (Total dust)  
5mg/m<sup>3</sup> (Respirable fraction)

Other substances : Not listed

#### ACGIH TLVs (TWA)

as the product : 10mg/m<sup>3</sup> (Total dust)  
3mg/m<sup>3</sup> (Respirable fraction)

Other substances : Not listed

#### DFG-MAK (TWA)

as the product : 4mg/m<sup>3</sup> (Inhalable fraction)  
1.5mg/m<sup>3</sup> (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.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Fine solid powder

Color : Cyan

Scent : Odorless

Melting Point : 110 - 150 degree (Softening point)

Specific Gravity(H<sub>2</sub>O=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 possibility in intended use.

According to Explosive Evaluation, can form explosive dust-air mixtures when finely dispersed in air, like most finely grained organic powders.

## SECTION 10 STABILITY AND REACTIVITY

Stability : Stable

Incompatibility : Not identified.

### Hazardous Decomposition Products

: Carbon monoxide and carbon dioxide.

Hazardous Polymerization: : Will not occur.

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## SECTION 11 SUPPLEMENTAL HEALTH 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 5.27mg/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 : None known  
Chronic Effects : None known

## 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.)

## 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

## SECTION 15 REGULATORY INFORMATION

IARC : See section 3 and 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 Informatio : Not regulated.  
NTP Annual Report on Carcinogens  
: Not listed as an NTP carcinogen.  
California Proposition 65 : Not regulated.  
  
Controlled Products Regulations(Canada)  
: This product has been classified in accordance with the hazard criteria  
of the CPR.

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Workplace Hazardous Materials Information System(Canada)

: No toxicology information available

Other State Regulations : Not 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

## SECTION 16 OTHER INFORMATION

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 )

Notice : Judgments as to the suitability of information herein for purchaser's purposes are necessarily purchaser's responsibility. Therefore, although reasonable care has been taken in the preparation of such information, Toshiba Corporation extends no warranties, makes no representations, and assumes no responsibility as to the accuracy or suitability of such information for application to purchaser's intended purposes or for consequences of its use.

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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) NTP stands for National Toxicology Program (USA).  
(6) NIOSH stands for National Institute for Occupational Safety and Health (USA).  
(7) DOT stands for Department of Transportation (USA).  
(8) NOHSC stands for National Occupational Health and Safety Commission (Australia).
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