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SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name** : T-FC31U-C-N Cyan Toner

Used for : Toshiba Copiers, e-STUDIO 311c and 211c

Company Name : Toshiba TEC Corporation

: 1-1, Kanda nishikichou, Chiyoda-ku, Tokyo 101-8442, Japan Address

Telephone Number : +81-3-3438-6854

Manufacturer Name : (1) Toshiba TEC Corporation, Mishima Works

6-78 Minami-cho, Mishima-shi, 411-8520 Japan

Contact : (1) Toshiba America Information Systems, Inc.

> Emergency Telephone. No. : +1-800-424-9300

> > For calls within the U.S. only.

(2) Toshiba of Canada Limited

Telephone. No. : +1-905-405-3500

For calls within Canada only.

## SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT(S)	CAS No.	<u>wt.%</u>
Polyester resin		75-85
Organic Pigment		5-10
Wax		5-10
Silica	68909-20-6	2 - 4
Titanium-dioxide	220037-19-4	<2
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## 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.

: Inhalation, dermal contact, incidental ingestion Routes of Exposure

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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 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 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.

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## 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.

## SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Limits** 

OSHA PELs (TWA)

as the product : 15mg/m³ (Total dust)

5mg/m<sup>3</sup> (Respirable fraction)

All substances : Not listed

ACGIH TLVs (TWA)

as the product : 10mg/m³ (Total dust)

3mg/m<sup>3</sup> (Respirable fraction)

All substances : Not listed

DFG-MAK (TWA)

as the product : 4mg/m³ (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(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.

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## 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 SUPPLEMENTAL HEALTH INFORMATION

Acute oral toxicity : LD50 is greater than 5,000mg/kg.

(This was the highest attainable mass.)

Acute inhalation : LC50(4H) is in excess of 5.00mg/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

LC50 is greater than 1000mg/L(fish) (estimated from the same product) EC50 is greater than 1000mg/L(daphnia) (estimated from the same product)

## 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
DOT Identification Number : Not applicable
Domestic Transportation : Not applicable
Other Information : Not applicable

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### SECTION 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 Informatio: 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 & 88/379 EEC

Symbol & Indication : Not required Risk Phrase : Not required Safety Advise Phrase : Not required

EEC Directive(76/548 EEC, 79/831 EEC, 92/32 EEC)

: All chemical substances in this product comply with all

applicable rules or order under EEC Directive.

The Subject of Specific Provisions in Relation to Protection of Man or the Environment. Directive 76/769/EEC

: Not required

National requirement : : No specific regulations or restrictions.

## 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

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#### Notice

: Judgments as to the suitability of information herein for purchaser's purposes are necessarily purchaser's responsibility.

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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 Heath and Safety Commission (Australia).

#### Prepared by

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