

MATERIAL SAFETY DATA SHEET

SECTION 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING Product OR: Canon FX1 Cartridge Product Code: 1551A / H11-6221 Canon Singapore Pte L4 1 HarbourFront Avenue, #04-01,Keppel Bay Tower, Singapore 098632 cspl_msds@canon.com.sg Use of the Product: Toner for electrophotographic apparatus SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS < Ingredient(s)> SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS Chemical Name/ CAS #/ Weight EU Symbol/ USA Chemical Name/ CAS #/ Weight EU Symbol/ OSBA PEL Chemical Name/ CAS #/ Neight EU Symbol/ OSBA PEL Chemical Name/ CAS #/ Neight EU Symbol/ OSBA PEL Chemical Name/ CAS #/ Neight EU Symbol/ OSBA PEL Not established Not establis	COMPANY/UNDERTAKING Product Name: Canon FX1 Cartridge Product Code: 1551A / H11-6221 Manufacturer: Canon Inc. 30-2, Shimomaruko 3-Chome, Ohta-ku, Tokyo 146-8501, Japan Supplier: Canon Singapore Pte Ltd ItarbourFront Avenue, #04-01,Keppel Bay Tower, Singapore 098632 cspl_msds@canon.com.sg cspl_msds@canon.com.sg Use of the Product: Toner for cloctrophotographic apparatus SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS < Ingredient(s) > CAS # / Weight EU symbol/ R-Phrase Vist established Not	Cano		MA	TERIAL S	SAFETY DA	TA SHEET	Product Code:	1551A / H11-622
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SECTION 4 FIRST AID MEASURES

First Aid Measures:

Inhalation:

If symptoms are experienced, move victim to fresh air and obtain medical advice.

Ingestion:

Rinse mouth. Drink 1 or 2 glasses of water. If irritation or discomfort occurs, obtain medical advice immediately.

Eye:

Do not allow victim to rub eye(s). Flush with lukewarm, gently flowing water for 5 minutes or until particle is removed. If irritation persists, obtain medical attention.

Skin:

Wash with soap and water. If irritation persists, obtain medical advice.

Note to Physicians:

None

SECTION 5 FIRE FIGHTING MEASURES

Fire Fighting Measures:

Extinguishing Media:

CO2, water, dry chemicals

Unsuitable Extinguishing Media:

None

Special Fire Fighting Procedures:

None

Unusual Fire and Explosion Hazards:

Can form explosive dust-air mixtures when finely dispersed in air.

Fire and Explosive Properties (See also Section 9):

Hazardous Combustion Products:

CO2, CO

Other Properties:

Not available

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Avoid breathing dust.

Environmental Precautions:

Do not wash away into sewer.

Method for Cleaning Up:

Sweep slowly spilled powder on to paper, and carefully transfer into a waste container. Clean remainder with wet paper, wet cloth or a vacuum cleaner.

If a vacuum cleaner is used, it must rate as a dust explosion-proof type. Fine powder can form explosive dust-air mixtures.

SECTION 7 HANDLING AND STORAGE

Handling:

Avoid breathing dust.

Use with adequate ventilation.

Storage:

Keep out of the reach of children.

Keep away from oxidizing materials.

Specific Uses:

Toner for electrophotographic apparatus. For more information, please refer to the instruction of this product.



SECTION 8	EXPOSURE CONTROLS / PERSONAL PROTECTION
Exposure Guide	lines:
USA OSHA	PEL (TWA): 15 mg/m ³ (Total dust), 5 mg/m ³ (Respirable fraction)
ACGIH TLV	(TWA): 10 mg/m ³ (Inhalable fraction), 3 mg/m ³ (Respirable fraction)
DFG (MAK)	: 4 mg/m^3 (Inhalable fraction), 1.5 mg/m ³ (Respirable fraction)
(Also refer to	SECTION 2)

Engineering Controls:

Use adequate ventilation.

Personal Protection Equipment(s):

Respiratory Protection:	Required
	Not Required
Eye/Face Protection:	RequiredNot Required
Skin Protection:	Required Not Required

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Black fine powder
Odor:	Slight plastic odor
pH:	Not applicable
Boiling Point/Range(°C):	Not applicable
Melting Point/Range(°C):	100 - 150 (Softening point)
Decomposition Temperature(°C):	> 200
Flash Point(°C):	Not applicable
Flammable (Explosive) Limits:	Not applicable
Autoignition Temperature(°C):	Not available
Flammability:	Not-flammable (Test method : Directive 92/69/EEC, A10 Flammability (Solids))
Explosive Properties:	Can form explosive dust-air mixtures when finely dispersed in air.
Oxidizing Properties:	Not available
Vapor Pressure:	Not applicable
Vapor Density:	Not applicable
Density / Specific Gravity:	1.4 - 1.6
Water Solubility:	Negligible
Fat Solubility:	Partially soluble in toluene and xylene.
Partition Coefficient (n-Octanol/Water):	Not applicable
Percent Volatile:	Negligible
Evaporation Rate:	Not applicable
Viscosity (mPa s):	Not applicable



SECTION 10 STABILITY AND	REACTIVITY		
Stability:	⊠ Stable		
	Unstable		
Conditions to Avoid:	None		
Materials to Avoid:	Strong oxidizers		
Hazardous Decomposition Products:	<u>CO, CO2</u>		
Hazardous Polymerization:	☐ May Occur		
Conditions to Avoid:	None		
SECTION 11 TOXICOLOGICA	AL INFORMATION		
Acute Toxicity: Inhalation:			
Not available			
Ingestion:			
Rat, LD50 > 5000mg/kg			
Eye: Rabbit, transient slight conjuncti	val irritation only.		
Skin:			
Rabbit, non-irritant			
Sensitization: Guinea pig, skin: Non-sensitizing	g		
Mutagenicity: Ames Test (S. typhimurium): Ne	agativa		
	ganve		
Reproductive Toxicity: Not available			
Carcinogenicity: Not available			
respirable-sized particles compare most relevant to potential human animals at 4mg/m ³ , and a mild to	response upon chronic inhalation exposure in rats to a toner enriched in red to commercial toner. No pulmonary change was found at 1mg/m ³ which is exposure. A minimal to mild degree of fibrosis was noted in 22% of the moderate degree of fibrosis was observed in 92% of the animals at 16mg/m ³ . lung overloading", a generic response to excessive amounts of any dust retained		

in the lung for a prolonged interval.



SECTION 12 ECOLOGICAL INFORMATION

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SECTION 13 DISPOSAL CONSIDERATION

Method of Disposal:

DO NOT put toner or toner container into fire; heated toner may cause severe burns. DO NOT shred a toner container, unless dust-explosion preventing measures are taken. Finely dispersed particles form explosive mixtures in air. Disposal should be subject to federal, state and local laws.

SECTION 14	TRANSPORT INFORMATION		
UN #:	2807		
UN Shipping Name:	Magnetized material		
UN Classification:	9		
UN Packing Group:	None		
Marine Pollutant:	 ☐ Yes Chemical name (wt%): ☑ No 		
Special Precautions	9 or more of these products shipped together, by air, are regulated as magnetized material.		
SECTION 15	REGULATORY INFORMATION		
< EU Information >			
Information on the			
Symbol & Indic	ation: Not required		
R-Phrase: Not required			
S-Phrase: Not required			
Dangerous Com None	ponent(s):		
Special Precauti Not required	ons under 1999/45/EC Annex V:		
Specific Provisions in Relation to Protection of Man or the Environment:			
76/769/EEC:	Not regulated		
(EC)2037/2000:	Not regulated		
(EC)304/2003:	Not regulated		
Others:	None		
< USA Information :	>		
Information on the	Label:		
Signal Word:	Not required		
Hazard warning Not required	ş:		



Safety Advice: Not required		
Hazardous Component(s): None		
SARA Title III §313:		
Chemical Name		Weight %
None		
California Proposition 65:		
Chemical Name		Weight %
None		
< Canada Information >		
WHMIS Controlled Product:	Not applicable (Manufactured article)	
< Australia Information >		
Statement of Hazardous Nature:	Not classified as hazardous according to criteria	of NOHSC.
SECTION 16 OTHER INFOR	MATION	
 U.S. Department of Health and Human Serv World Health Organization International Age Chemicals to Humans DFG, List of MAK and BAT Values EU Directive 76/769/EEC, 67/548/EEC, 19 EU Regulation (EC)2037/2000, (EC)304/2 Canada Workplace Hazardous Materials In Australia National Occupational Health and 	CFR Part 372 n, 16CFR Part 1500 ical Substances and Physical Agents and Biological Exposure 1 vices National Toxicology Program, Annual Report on Carcin gency for Research on Cancer, IARC Monographs on the Eval 9999/45/EC 2003	ogens luation on the Carcinogenic Risk of
"ACGIH TLV" stands for TLV(Threshold L "EU ILV" stands for Indicative Limit Values "DFG MAK" stands for MAK(Maximale Ar "TWA" stands for Time Weighted Average. "IARC" stands for International Agency for I "NTP" stands for National Toxicology Progr "OSHA HCS" stands for Occupational Safet "FHSA" stands for Federal Hazardous Subst: "WHMIS" stands for Workplace Hazardous "NOHSC" stands for National Occupational	am (USA). y and Health Act, Hazard Communication Standard(USA). ances Act(USA). Materials Information System. Health and Safety Commission Act 1985.	ustrial Hygienists. and 2000/39/EC. schaft.
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