Canon

MATERIAL SAFETY DATA SHEET

Page 1 of 6

ISDS #: TC1150-0101

Product Code: 1474A / F41-4102

SECTION 1	IDENTIFIC.	ATION	OF THE SU	BSTANCE/PR	EPARATION A	AND OF THE							
	COMPANY/UNDERTAKING												
Product Name:	Canon Cart	Canon Cartridge A30 (Black)											
Product Code:	1474A / F41-4102												
Manufacturer:	Canon Inc.,30-2, Shimomaruko 3-Chome, Ohta-ku, Tokyo, Japan, Ph # 03-3758-2111												
Supplier:	Canon USA, Inc., One Canon Plaza, Lake Success, NY, 11042, USA												
Phone #:	1-800-OK-CANON 24 Hr. Emergency CHEMTREC # 1-800-424-9300												
SECTION 2	COMPOSIT	COMPOSITION/INFORMATION ON INGREDIENTS											
< Ingredient(s) > Chemical Name / Generic name	CAS#/ Weight EC# %		EU Symbol/ R-Phrase	USA OSHÁ PEL	ACGIH TLV	EU ILV	DFG MAK						
Styrene acrylate copolymer	Confidential	50-60	None/ None	Not established	Not established	Not established	Not established						
Iron oxide	1317-61-9/ 215-277-5	30-40	None/ None	Not established	Not established	Not established	Not established						
Styrene polymer	Confidential	5-10	None/ None	Not established	Not established	Not established	Not established						
< Carcinogen > Chemical Name CAS# Reference													
No component of this toner is listed as a human carcinogen or a potential carcinogen in IARC Monographs, NTP, OSHA regulations or Annex I to Directive 67/548/EEC.													
SECTION 3 HAZARDS IDENTIFICATION													
EU Classification:													
Not classified as dangerous.													
Emergency Overvi	ler, slight plas												
Potential Health E Inhalation: Exposure to				e physical irrita	tion to respirator	y tract.							
Ingestion: Practically non-toxic. Ingestion is a minor route of entry for intended use of this product.													
Eye: May cause t	ransient slight	irritatio	1.										
Skin: May be non	-irritant.												
Chronic Effect Prolonged in not result in	ts: nhalation of ex inhalation of	ccessive excessive	amounts of du	ist may cause lui lust.	ng damage. Use	of this product as	s intended does						
Medical Cond Not determi		ally knov	wn to be Agg	ravated by Exp	oosure:								



MATERIAL SAFETY DATA SHEET

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TC1150-0101

Product Code: 1474A / F41-4102

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.

MATERIAL SAFETY DATA SHEET

MSDS #: Product Code: 1474A / F41-4102

TC1150-0101

EXPOSURE CONTROLS / PERSONAL PROTECTION SECTION 8 **Exposure Guidelines:** USA OSHA PEL (TWA): 15 mg/m³ (Total dust), 5 mg/m³ (Respirable fraction) 10 mg/m³ (Inhalable fraction), 3 mg/m³ (Respirable fraction) ACGIH TLV (TWA): 4 mg/m³ (Inhalable fraction), 1.5 mg/m³ (Respirable fraction) DFG (MAK): (Also refer to SECTION 2) **Engineering Controls:** Use adequate ventilation. Personal Protection Equipment(s): Respiratory Protection: Required ➤ Not Required ☐ Required **Eve/Face Protection:** ■ Not Required ☐ Required Skin Protection: ■ Not Required PHYSICAL AND CHEMICAL PROPERTIES **SECTION 9** Black fine powder Appearance: Slight plastic odor Odor: Not applicable pH: Not applicable Boiling Point/Range(°C): 100 - 150 (Softening point) Melting Point/Range(°C): >200 Decomposition Temperature(°C): Not applicable Flash Point(°C): Flammable (Explosive) Limits: Not applicable Not available Autoignition Temperature(°C): Not-flammable (Test method: Directive 92/69/EEC, A10 Flammability Flammability: (Solids)) Can form explosive dust-air mixtures when finely dispersed in air. **Explosive Properties:** Not available **Oxidizing Properties:** Not applicable Vapor Pressure: Not applicable Vapor Density: 1.4 - 1.6 Density / Specific Gravity: Negligible Water Solubility: Partially soluble in toluene and xylene. Fat Solubility: Partition Coefficient (n-Octanol/Water): Not applicable Negligible Percent Volatile: Not applicable **Evaporation Rate:** Not applicable Viscosity (mPa s):

Page 4 of 6

Canon

MATERIAL SAFETY DATA SHEET

MSDS #: TC1150-0101
Product Code: 1474A / F41-4102

SECTION 10 STABILITY AND	REACTIVITY
Stability:	
Conditions to Avoid:	None
Materials to Avoid:	Strong oxidizers
Hazardous Decomposition Products:	CO, CO2
Hazardous Polymerization:	☐ May Occur ☑ Will Not Occur
Conditions to Avoid:	None
SECTION 11 TOXICOLOGICA	AL INFORMATION
Acute Toxicity: Inhalation: Not available	
Ingestion: Estimate: Rat, LD50> 5000 mg/k	g
Eye: Estimate: Rabbit, transient slight	conjunctival irritation only.
Skin: Estimate: Rabbit, non-irritant	
Sensitization: Guinea pig, skin: Non-sensitizing	5
Mutagenicity: Ames Test (S. typhimurium): Neg	gative
Reproductive Toxicity: Not available	
Carcinogenicity: Not available	
respirable-sized particles compare most relevant to potential human of animals at 4 mg/m³, and a mild to	esponse upon chronic inhalation exposure in rats to a toner enriched in d to commercial toner. No pulmonary change was found at 1 mg/m³ 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 16 mg/m³. Ing overloading", a generic response to excessive amounts of any dust retained

TC1150-0101 MSDS #:

	<u>a</u>	$\mathbf{M}A$	TE	ER	IAL	SA	FET	Y D.	ATA	SH	EET	[Product	Code:	147	4A / F	41-4102
SECTION 12 E	COLOG	ICAL IN	FOF	RM	ATIC	N											
Mobility:	1	Not availa	able	,													
Persistence / Degrada	ability:	Not availa	able	;													
Bioaccumulation:	J	Not availa	able	;													
Ecotoxicity:		Not availa	able	;			-										
Other Adverse Effec	ts:	Not availa	able	;													
	-		•														
SECTION 13 D	ISPOSA	L CONSI	(DE)	RA	TION	1											
Method of Disposal: DO NOT put toner container, unless d in air. Disposal sho	ust-explo	osion preve	entin	ng m	neasur	es ar	e take	n. Fii	ause s nely d	evere	burns sed pa	s. DO	NOT es form	shred explo	a to	ner e mix	ctures
SECTION 14 T	RANSP	ORT INF	ORI	MA	TIO	N											
UN #:	By ship:	None		Ву	y air:N	lot id	lentifi	ed									
UN Shipping Name:	By ship:	None		Ву	y air:N	lot ic	lentifi	ed									
UN Classification:	By ship:	None		Ву	y air:N	lot ic	lentifi	ed									
UN Packing Group:	By ship:	None		By	y air:N	lot ic	lentifi	ed									
Marine Pollutant:	☐ Yes ☑ No	Chemic	al na	ame	e (wt%	ó):											
Special Precautions:	None																
SECTION 15 R	EGULA	TORY IN	NFO	ORN	MATI	ON											
< EU Information >																	
Information on the Symbol & Indica		ot required	1														
R-Phrase: Not required	**-																
S-Phrase: Not required	-																
Dangerous Com None	ponent(s	s):															5
Special Precaution	ons unde	er 1999/45	/EC	C Ar	nnex V	V:											
Specific Provisions 76/769/EEC:	in Relat		tecti	tion	of M	an o	r the	Envii	ronm	ent:							
(EC)2037/2000:																	
(EC)304/2003:	Not regi																
Others:	None																
< USA Information >																	
Information on the																	
Signal Word:	Not req	uired						· 									
Hazard warning Not required	;																

Canon

MATERIAL SAFETY DATA SHEET

MSDS #-

TC1150-0101

Product Code: 1474A / F41-4102

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 INFORMATION

Revised information from the previous version:

Entirely revised

Literature Reference:

- U.S. Department of Labor, 29CFR Part 1910
- U.S. Environmental Protection Agency, 40CFR Part 372
- U.S. Consumer Product Safety Commission, 16CFR Part 1500
- ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices
- U.S. Department of Health and Human Services National Toxicology Program, Annual Report on Carcinogens
 World Health Organization International Agency for Research on Cancer, IARC Monographs on the Evaluation on the Carcinogenic Risk of Chemicals to Humans
- DFG, List of MAK and BAT Values
- EU Directive 76/769/EEC, 67/548/EEC, 1999/45/EC
- EU Regulation (EC)2037/2000, (EC)304/2003
- Canada Workplace Hazardous Materials Information System
- Australia National Occupational Health and Safety Commission's Approved Criteria for Classifying Hazardous Substances[NOHSC 1008]

Abbreviations:

EU: European Union.

OSHA PEL: PEL(Permissible Exposure Limit) under Occupational Safety and Health Administration (USA).

ACGIH TLV: TLV(Threshold Limit Value) under American Conference of Governmental Industrial Hygienists.

EU ILV: Indicative Limit Values for Occupational Exposure under EU Directive 91/322/EEC and 2000/39/EC.

DFG MAK: MAK(Maximale Arbeitsplatz-Konzentration) under Deutsche Forschungsgemeinschaft.

TWA: Time Weighted Average

STEL: Short Term Exposure Limit.

IARC: International Agency for Research on Cancer.

NTP: National Toxicology Program (USA).

OSHA HCS: Occupational Safety and Health Act, Hazard Communication Standard (USA).

FHSA: Federal Hazardous Substances Act (USA).

WHMIS: Workplace Hazardous Materials Information System.

NOHSC: National Occupational Health and Safety Commission.

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