Page 1 of 6

MSDS #:

TN1210-0103

MATERIAL	SAFETY D	ATA SHEE	T Product Code:

1 Product Cod

0279B / F42-6711

SECTION 1	IDENTIFICA COMPANY/	ATION UNDEF	OF THE SUI	BSTANCE/PR	EPARATION A	AND OF THE	•
Product Name:	Canon GPR	Canon GPR-17 Toner Black					
Product Code:	0279B / F4	0279B / F42-6711					
Manufacturer:	Canon Inc.,	30-2, Sł	nimomaruko 3	-Chome, Ohta-l	ku, Tokyo, Japan	, Phone # 03-375	58-2111
Supplier:	Canon USA	, Inc., C	ne CanonPla	za, Lake Succes	s, NY, 11042, U	SA	
Phone #:	1-800-OK-	CANON		24 Hr. Emerger	ncy CHEMTREC	C# 1-800-424-93	300
SECTION 2	COMPOSIT	ION/IN	FORMATIC	ON ON INGRE	DIENTS		
< Ingredient(s) > Chemical Name / Generic Name	CAS#/ EC#	Weight	EU Symbol/ R-Phrase	USA OSHA PEL	ACGIH TLV	EU ILV	DFG MAK
Polyester resin Ferrite	Confidential Confidential	45-55 40-50	None/ None None/ None	Not established Not established	Not established Not established	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 a	s dangerous.						
Emergency Overview: Black fine powder, slight plastic odor.							
Potential Health Effects and Symptoms: Inhalation: Exposure to excessive amounts of dust may cause physical irritation to respiratory tract.							
<b>Ingestion:</b> Low acute toxicity based on animal testing. Ingestion is a minor route of entry for intended use of this product.							
Eye: May cause	transient sligh	t irritatio	n.				
Skin: May be not	n-irritant.						
Chronic Effect Prolonged in not result in	ets: inhalation of e inhalation of	xcessive excessiv	amounts of d	ust may cause lu dust.	ang damage. Use	of this product a	as intended does
				gravated by Ex	posure:		

Date of Issue:

Not determined

December 28, 2004

Revised:



### MATERIAL SAFETY DATA SHEET

MSDS #:

TN1210-0103

Product Code: 0279B / F42-6711

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.

Date of Issue:

December 28, 2004

Revised:

Page 3 of 6

## Canon

## MATERIAL SAFETY DATA SHEET

MSDS #: TN1210-0103

Product Code: 0279B / F42-6711

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 **Eye/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): Decomposition Temperature(°C): > 200 Not applicable Flash Point(°C): Not applicable Flammable (Explosive) Limits: 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 - 1.8Density / 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



### MATERIAL SAFETY DATA SHEET

MSDS #: TN1210-0103

Product Code: 0279B / F42-6711

SECTION 10 STABILITY ANI	REACTIVITY				
Stability:	☑ Stable ☐ Unstable				
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 TOXICOLOGIC	AL INFORMATION				
Acute Toxicity: Inhalation: Not available					
Ingestion: Rat, LD50 > 2000 mg/kg					
Eye: Rabbit, transient slight conjuncti	val irritation only.				
Skin: Rabbit, non-irritant					
Sensitization: Estimate: Guinea pig, skin: Non-	-sensitizing (See Section 16)				
Mutagenicity: Ames Test (S. typhimurium, E. o	coli): Negative				
Reproductive Toxicity: Not available					
Carcinogenicity:  Not available					
respirable-sized particles compared most relevant to potential human animals at 4 mg/m³, 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 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. lung overloading", a generic response to excessive amounts of any dust retained ral.				

Page 5 of 6

## Canon

# MATERIAL SAFETY DATA SHEET

MSDS #: TN1210-0103
Product Code: 0279B / F42-6711

SECTION 12 ECC	DLOGICAL INFORMATION
Mobility:	Not available
Persistence / Degradabi	ility: Not available
Bioaccumulation:	Not available
Ecotoxicity:	Not available
Other Adverse Effects:	Not available
CECTION 12 DIC	POSAL CONSIDERATION
	POSAL CONSIDERATION
container, unless dus	r toner container into fire; heated toner may cause severe burns. DO NOT shred a toner t-explosion preventing measures are taken. Finely dispersed particles form explosive mixtures ld be subject to federal, state and local laws.
SECTION 14 TR.	ANSPORT INFORMATION
UN #: No	one
UN Shipping Name: N	one
UN Classification: N	one
UN Packing Group: N	one
11761 100 T OTTOWN	Yes Chemical name (wt%): No
Special Precautions: N	one
SECTION 15 RE	GULATORY INFORMATION
< EU Information >	
Information on the L Symbol & Indicati	
R-Phrase: Not required	
S-Phrase: Not required	
Dangerous Compo	onent(s):
Special Precaution Not required	ns under 1999/45/EC Annex V:
Specific Provisions in	n Relation to Protection of Man or the Environment:  Not regulated
(EC)2037/2000: 1	Not regulated
_	Not regulated
-	None
< USA Information >	
Information on the l	
Signal Word:	Not required
Hazard warning: Not required	



### MATERIAL SAFETY DATA SHEET

MSDS #:

TN1210-0103

Product Code: 0279B / F42-6711

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

Estimate: Estimate based on test data on similar toner/developer/drum and/or the raw materials of this product.

#### 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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