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	COMPANY/UNDER	OF THE SUBSTAN RTAKING	CE/PREPARA	ATION AND	OF THE	
Product Name:	Canon CLC1000 Starter Cyan					
Product Code:	1460A					
Company Name:	Canon Inc., 30-2, S	himomaruko 3-Cho	me, Ohta-ku, T	okyo 146-85	01, Japan	
Supplier:	Canon USA, Inc., C	One Canon Park, Me	elville, NY 117	47, USA		
Phone #:	1-800-OK-CANON 24 Hr. Emergency CHEMTREC # 1-800-424-9300			800-424-9300		
MSDS #:	TN0441-0105					
SECTION 2	COMPOSITION/INF	FORMATION ON I	NGREDIENTS	}		
Hazardous Ingredi	ent(s)					
Chemical Name		CAS#	Weight %	EU Symbol	EU R-Phrase	
Ferrite including	copper and zinc	66402-68-4	90-95 (AsCu:10-12)	None	None	
Copper compound	d	-	< 0.5	None	None	
Chemical Name		USA OSHA PE	 L	ACGIH TL	V	
Ferrite including	copper and zinc	Not established		Not establis	hed	
Copper compoun	d	Not established		Not establis	hed	
Chemical Name		Not established	EU ILV Not established		DFG MAK 1.0mg/m3	
Ferrite including	copper and zinc	Not established		•	its compounds	
Ferrite including					,	

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SECTION 2 CO	OMPOSITION/INFORMATION ON INGREDIENTS - Continued		
Carcinogen Chemical Name		CAS#	Reference
to Directive 67/548/EE	carcinogen in IARC HA regulations or Annex I		
Other Ingredient(s) Chemical/Generic	Nama		Woight 04
	Name Weight % 3 - 10		
Polyester resin			3 - 10
SECTION 3 H	AZARDS IDENTIFICA	ATION	
Emergency Overview:	Cyanish gray fine pow	der, slight p	lastic odor.
Potential Health Efficient Inhalation:	fects and Symptoms: Exposure to excessive tract.	amounts of	dust may cause physical irritation to respiratory
Ingestion:	Practically non-toxic .Ingestion is a minor route of entry for intended use of this product.		
Eye:	May cause transient slight irritation.		
Skin:	May be non irritant.		
Chronic Effects:	Prolonged inhalation of excessive amounts of dust may cause lung damage. Use of this product as intended does not result in inhalation of excessive amounts of dust.		
Medical Condition	ons Generally known to Not determined.	be Aggrava	ated by Exposure:
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SECTION 4 FI	FIRST AID MEASURES			
First Aid Measures:				
Inhalation:	If symptoms are experienced, move victim to fresh air and obtain medical advice.			
•	Rinse mouth. Drink 1 or 2 glasses of water. If irritation or discomfort occurs, obtain medical advice immediately.			
_	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 FI	RE FIGHTING MEASURES			
Fire Fighting Measure	es:			
Extinguishing Med	lia: CO ₂ , water, dry chemicals			
Unsuitable Extinguishing Med	None lia:			
Special Fire Fighting Procedure	None es:			
Unusual Fire and Explosion Hazards	Can form explosive dust-air mixtures when finely dispersed in air.			
Fire and Explosive Pr Flash Point(°C):	roperties: Not applicable			
Flammable(Explos Limits:				
Autoignition Temperature(°C):	Not available			
Flammability:	Not-flammable (Test method : Directive 92/69/EEC, A10 Flammability (Solids))			

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SECTION 5 FIRE	FIGHTING MEASURES - Continued				
Fire and Explosive Pro	operties - Continued:				
Autoflammability:	Not applicable				
Explosive Properties					
Oxidizing Properties					
Hazardous Combustion Product	CO ₂ , CO				
Other Properties:	Not available				
SECTION 6 ACC	IDENTAL RELEASE MEASURES				
Personal Precautions:	Avoid breathing dust.				
Environmental	Do not wash away into sewer.				
Precautions:					
Method for Cleaning Up:	reep slowly spilled powder on to paper, and carefully transfer into a waste ntainer. Clean remainder with wet paper, wet cloth or a vacuum cleaner. It vacuum cleaner is used, it must rate as a dust explosion-proof type. Fine wder can form explosive dust-air mixtures.				
SECTION 7 HAN	DLING AND STORAGE				
Handling:	Avoid breathing dust. Use with adequate ventilation.				
Storage:	Keep away from oxidizing materials.				

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SECTION 8 EXPO	OSURE C	ONTROLS	5 / PERSONAL PROTECTION	
Exposure Guidelines:	USA OSHA	A(TWA/PEL):15mg/m3 (Total dust)	
	ACGIH(TV	VA/TLV):	5mg/m3 (Respirable fraction) 10mg/m3 (Inhalable particulate)	
			3mg/m3 (Respirable particulate)	
	DFG (MAI	():	4 mg/m3 (Inhalable fraction) 1.5 mg/m3 (Respirable fraction) (Also refer to SECTION 2)	
Engineering Controls:	Use adeq	uate ventil	ation.	
Personal Protection Eq	uipment(s):		
Respiratory Protection:	Requir	red 🛛 No	ot Required	
Eye/Face Protection:	Required Not		ot Required	
Skin Protection:	Requi	red 🛛 No	ot Required	
	_ 1	_	•	
SECTION 9 PHYS	SICAL AN	ID CHEM	ICAL PROPERTIES	
Appearance:		Cyanish g	gray fine powder	
Odor:		Slight pla	astic odor	
pH:		Not applicable		
Boiling Point/Range(°C	C):	Not appli	cable	
Melting Point/Range(°	C):	100 - 150	(Softening point)	
Decomposition Temper	rature(°C)	>200		
Flash Point(°C):		Not appli	cable	
Flammable (Explosive)) Limits:	Not appli	cable	
Autoignition Temperat	ture(°C):	Not available		
Flammability:		Not-flammable (Test method : Directive 92/69/EEC, A10 Flammability		
Autoflommobility		(Solids))	achla	
Autoflammability: Explosive Properties:		Not appli	explosive dust-air mixtures when finely dispersed in air.	
•				
Oxidizing Properties:		Not available		
Vapor Pressure:		Not applicable		
Vapor Density:		Not applicable		
Density / Specific Gravity:		4.0 - 5.0		
Water Solubility:		Negligibl	e	
Fat Solubility:		Partially	soluble in toluene and xylene.	
Partition Coefficient (n-Octanol/Water):		Not appli	cable	
Percent Volatile:		Negligibl	e	
Evaporation Rate:		Not appli	cable	
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SECTION 10 STABILITY AND REACTIVITY			
Stability:	Stable		
Conditions to Avoid	:	None	
Materials to Avoid:		Strong oxidizers	
Hazardous Decompo Products:	osition	CO, CO ₂	
Hazardous Polymeriz	erization: May Occur Will Not Occur		
Conditions to Avo	oid:	None	
SECTION 11 TO	XICOLO	OGICAL INFORMATION	
Acute Toxicity: Inhalation:	Not ax	vailable	
ilitaration.	Not av	anabic	
Ingestion:	— Estima	ate: Rat, LD50 > 5000 mg/kg	
nigestion.		,	
Evo	Estima	ate: Rabbit, transient slight conjunctival irritation only.	
Eye:	Estillia	ate. Rabbit, transfent stight conjunctival irritation only.	
21.		- D.11%	
Skin:	Estimate: Rabbit, non irritant.		
g vi vi			
Sensitization:	Not av	vailable.	
Mutagenicity:	Estima	nte : Ames Test (Salmonella typhimurium) : Negative	
Reproductive	Not av	vailable.	
Toxicity:			

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SECTION 11 TO	OXICOLOGICAL INFORMATION - Continued
Carcinogenicity:	Not available
Others:	Chronic effects: Muhle et al. reported pulmonary response upon chronic inhalation exposure in rats to a toner enriched in respirable-sized particles compared to commercial toner. No pulmonary change was found at 1 mg/m3 which is most relevant to potential human exposure. A minimal to mild degree of fibrosis was noted in 22% of the animals at 4 mg/m3, and a mild to moderate degree of fibrosis was observed in 92% of the animals at 16 mg/m3. These findings are attributed to "lung overloading", a generic response to excessive amounts of any dust retained in the lung for a prolonged interval.
SECTION 12 EC	COLOGICAL INFORMATION
Mobility:	Not available.
Persistence / Degradability:	Not available.
Bioaccumulation:	Not available.
Ecotoxicity:	Not available.
Other Adverse Effects:	Not available.
SECTION 13 DI	SPOSAL CONSIDERATION
Method of Disposal	: Disposal should be subject to federal, state or local laws.
SECTION 14 TR	ANSPORT INFORMATION
UN #:	None
UN Shipping Name:	
UN Classification:	None
UN Packing Group:	
Special Precautions:	None
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SECTION 15 REC	GULATORY INFORMATION		
EU Information: Information on the	Label:		
Symbol &	Not required		
Indication: R-Phrase:	Not required		
S-Phrase:	Not required		
Dangerous Component(s):	None		
Specific Provision	s in Relation to Protection of Man	or the Environmen	nt:
76/769/EEC:	Not regulated		
(EC)2037/2000:	Not regulated		
(EEC)2455/92:	Not regulated		
Others:	None		
USA Information: Information on the L	ahel		
Signal Word:	Not required		
Hazard warning:	Not required		
Safety Advice:	Not required		
Hazardous Component(s):	None		
SARA Title III §313 Chemical Na			Weight %
Ferrite including copper and zinc			95 wt% (Maximum)
Copper and co	ompounds(As Copper metal)		(12 wt%(Maximum))
Zinc and com	pounds(As Zinc metal)		(14 wt% (Maximum))
California Propositi			W/-:-14.0/
<u>Chemical Nai</u> None	me		Weight %
None			
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SECTION 16	OTHER INFORMATION

Other Information:

None

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, 88/379/EEC
- EU Regulation (EC)2037/2000, (EEC)2455/92

Abbreviations:

"EU" stands for European Union.

"OSHA PEL" stands for PEL(Permissible Exposure Limit) under Occupational Safety and Health Administration.

"ACGIH TLV" stands for TLV(Threshold Limit Value) under American Conference of Governmental Industrial Hygienists.

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

"DFG MAK" stands for MAK(Maximale Arbeitsplatzkonzentrationen) under Deutsche Forschungsgemeinschaft.

"TWA" stands for Time Weighted Average.

"IARC" stands for International Agency for Research on Cancer.

"NTP" stands for National Toxicology Program (USA).

"OSHA HCS" stands for Occupational Safety and Health Act, Hazard Communication Standard.

"FHSA" stands for Federal Hazardous Substances Act.

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