

SECTION 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name: Canon EP-62 Cartridge for Copier/Printer

Product Code: R94-8002

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

MSDS #: TC0268-0101

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)

Chemical Name	CAS #	Weight %	EU Symbol	EU R-Phrase
None				

Chemical Name	USA OSHA PEL	ACGIH TLV
None		

Chemical Name	EU ILV	DFG MAK
None		

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS - Continued

Carcinogen

Chemical Name	CAS #	Reference
None		

Other Ingredient(s)

Chemical/Generic Name	Weight %
Styrene acrylate copolymer	40 - 50
Iron oxide(1317-61-9)	40 - 50

SECTION 3 HAZARDS IDENTIFICATION

Emergency Overview: Black fine powder, slight plastic odor.

Potential Health Effects and Symptoms:

Inhalation: Minimal respiratory tract irritation may occur as with exposure to large amounts of any non-toxic dust.

Ingestion: Ingestion is not applicable route of entry for intended use.

Eye: May cause eye irritation.

Skin: Unlikely to cause skin irritation.

Chronic Effects: Not known.

Medical Conditions Generally known to be Aggravated by Exposure:
Not identified

SECTION 4 FIRST AID MEASURES

First Aid Measures:

Inhalation: Remove victim to fresh air.
Get medical attention if symptoms persist.

Ingestion: Dilute stomach contents with several glasses of water.
Get medical attention if symptoms persist.

Eye: Flush with running water for at least 15 minutes.
If irritation persist, get medical attention.

Skin: Wash with soap and water.
If irritaion persist, get medical attention.

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: Toner material, like most organic material in powder form, is capable of creating a dust explosion.

Fire and Explosive Properties:

Flash Point(°C): No data available

Flammable(Explosive) Limits: No data available

Autoignition Temperature(°C): No data available

Flammability: Non-flammable solid (according to test methods of USA 16 CFR 1500.44 and Annex V of EU Directive 84/449/EEC)

SECTION 5 FIRE FIGHTING MEASURES - Continued

Fire and Explosive Properties - Continued:

Autoflammability: Not applicable

Explosive Properties: See "Unusual Fire and Explosion Hazards"

Oxidizing Properties: No data available

Hazardous Combustion Products: CO₂, CO

Other Properties: Not known.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid breathing dust.
Use with adequate ventilation.

Environmental Precautions: Do not wash away into sewer.

Method for Cleaning Up: Sweep material onto paper and carefully transfer to a sealable waste container.
If a vacuum is used, the motor must be rated as dust tight.
A conductive hose bonded to the machine should be used to reduce static buildup.

SECTION 7 HANDLING AND STORAGE

Handling: Avoid breathing dust.
Use with adequate ventilation.
Wash thoroughly after handling.

Storage: Keep out of reach of children.

SECTION 10 STABILITY AND REACTIVITY

Stability: Stable Unstable

Conditions to Avoid: None

Materials to Avoid: Strong oxidizers

Hazardous Decomposition Products: Combustion will produce carbon dioxide and, possibly toxic chemicals such as carbon monoxide.

Hazardous Polymerization: May Occur Will Not Occur

Conditions to Avoid: None

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Toxicity:

Inhalation: (Data from similar toner) : LC50: >5mg/L/4hr (rats)

Ingestion: (Data from ingredients of toner) : Oral LD50: >2000mg/Kg (rats)

Eye: (Data from ingredients of toner): Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC based on test data of rabbits.

Skin: (Data from ingredients of toner): Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC based on test data of rabbits.

Sensitization: No sensitizer according to EU Directive 67/548/EEC Annex I and strong sensitizer list of FHSA.

Mutagenicity: Negative (Ames Test: Salmonella typhimurium)

Reproductive Toxicity: No reproductive toxic substances according to EU Directive 67/548/EEC Annex I, California Proposition 65 and DFG.

SECTION 11 TOXICOLOGICAL INFORMATION - Continued

Carcinogenicity: No human carcinogen or potential carcinogen, according to IARC Monographs, NTP, OSHA(USA) regulation, California Proposition 65 and Annex I of EU Directive 67/548/EEC.

Others: Sub-acute Toxicity - Rat; 90days inhalation Test
 Test sample: magnetic toner
 (mean volume diameter is 6.0 µm)
 NOEL (No observed effect level): 16 mg/m3

SECTION 12 ECOLOGICAL INFORMATION

No information indicating any adverse ecological effects.

SECTION 13 DISPOSAL CONSIDERATION

Method of Disposal: This product is constructed from plastics and metals. The waste toner could be considered as plastic powder waste. Disposal should be subject to federal, state or local laws.

SECTION 14 TRANSPORT INFORMATION

UN #: 2807
UN Shipping Name: Magnetized material
UN Classification: 9
UN Packing Group: None
Special Precautions: 33 or more of these products shipped together, by air, are regulated as magnetized material.

SECTION 15 REGULATORY INFORMATION

EU Information:

Information on the Label:

Symbol & Indication: Not required.

R-Phrase: Not required.

S-Phrase: Not required

Dangerous Component(s): None

Specific Provisions in Relation to Protection of Man or the Environment:

76/769/EEC: Not regulated.

(EC)3093/94: Not regulated.

(EEC)2455/92: Not regulated.

Others: None

USA Information:

Information on the Label:

Signal Word: Not required

Hazard warning: Not required

Safety Advice: Not required

Hazardous Component(s): None

SARA Title III §313:

Chemical Name	Weight %
None	

California Proposition 65:

Chemical Name	Weight %
None	

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 and their amendments.
- EU Regulation (EC)3093/94, (EEC)2455/92 and their amendments.

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.
- "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).

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