



9-1-05

MSDS#: CPY-0241-001 (1 / 4)

MATERIAL SAFETY DATA SHEETS

Canon U.S.A., Inc.
One Canon Plaza
Lake Success, NY 11042
Telephone: 516-328-5600

24 hr. Emergency Contact
CHEMTREC: 800-424-9300

Date of preparation: 10/97
Revised: 2/00

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION
1.1 IDENTIFICATION OF THE SUBSTANCE OF PREPARATION

Product Name: NPG-13 Toner Black
ITEM No.(s): F42-2221-700, F42-1932-740 (Weight 540 grams)
DESCRIPTION: Solid mixture, black toner powder for NP6035/6230/6235

1.2 COMPANY/UNDERTAKING IDENTIFICATION

Manufacturer: Canon Inc, Tokyo Japan
30-2, Shimomaruko 3-Chome, Ohta-Ku
Tokyo Japan
Phone: 03-3758-2111
Supplier: Canon USA, Inc.
One Canon Plaza
Lake Success, NY 11042
Phone: (516) 328-5600

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

| Weight % | (CAS Registry No.) | Component |
|----------|--------------------|----------------------------|
| 45 - 55 | (-----) | Styrene Acrylate Copolymer |
| 40 - 55 | (0001317-61-9) | Iron Oxide |

SECTION 3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS:

NFPA RATING: Health = 0, Flammability = 1, Reactivity = 0
HMIS RATING: Health = 1, Flammability = 0, Reactivity = 0

Note: HMIS and NFPA ratings involve data and interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnetude of the specific hazard. To deal adequately with the safe handling of this material, all information contained in this MSDS must be considered.

INGESTION: Ingestion is not applicable route of entry for intended use.
INHALATION: Minimal respiratory tract irritation may occur as with exposure to large amounts of any non-toxic dust.
EYE CONTACT: May cause eye irritation.
SKIN CONTACT: Unlikely to cause skin irritation.
CHRONIC EFFECTS: Not known.
MEDICAL CONDITIONS GENERALLY KNOWN TO BE AGGRAVATED BY EXPOSURE: None identified.

SECTION 4. FIRST-AID MEASURES

Inhalation: Remove victim to fresh air. Get medical attention if symptoms persist.
Eye Contact: Flush with running water for at least 15 minutes. If irritation persists, get medical attention.
Skin Contact: Wash with soap and water. If irritation persists get medical attention.
Ingestion: Dilute stomach contents with several glasses of water. Get medical attention if symptoms persist.

SECTION 5. FIRE FIGHTING MEASURES

Extinguishing media: CO2, water, dry chemical
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.
Flash Point (Celsius): No data available
Flammable (Explosive) Limits: No data available
Autoignition Temperature (Celcius): No data available
Flammability: Non-flammable solid according to test methods of USA 16 CFR 1500.44
Autoflammability: Not applicable
Explosive Properties: See Unusual Fire & Explosion Hazard
Oxidizing Properties: No data available.
Hazardous Combustion Products: Oxides of carbon may be formed
Other Properties: Not Known

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid breathing dust. Use with adequate ventilation.
Environmental precautions: Do not sweep into sewer, dispose of properly.
Method for Clean Up: Sweep material onto paper and carefully transfer to a sealable waste container. If a vacuum is used, the motor must be explosion proof. A conductive hose bonded to the machine should be used to reduce static buildup.

SECTION 7. HANDLING AND STORAGE

HANDLING: Avoid breathing the dust. Use with adequate ventilation. Wash thoroughly after handling.
STORAGE: Keep out of the reach of children. Keep away from contact with oxidizing materials. Keep container closed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits: OSHA (TWA/PEL): 15 mg/m³ (Total Dust)
5mg/m³ (Respirable Fraction)
ACGIH (TWA/TLV): 10mg/m³ (Total Dust)
Ventilation: Good general ventilation should be sufficient under intended use.
Respiratory Protection: Not required under intended use.
Eye Protection: Not required under intended use.
Protective Gloves: Not required under intended use.
Other Protective Equipment: Not required under intended use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-------------------------------------|---|
| Appearance and Odor: | Black fine powder, slight plastic odor. |
| Specific Gravity: (H2O=1): | 1.4 - 1.6 |
| Vapor Pressure (mmHg): | N/A |
| Vapor Density (Air=1): | N/A |
| Evaporation Rate (Butyl Acetate=1): | N/A |
| Melting Point degrees C: | 100 - 150 (melting point) |
| Boiling Point: | N/A |
| Solubility in Water: | Negligible |
| Solubility in Organic Solvents: | Partially soluble in toluene & xylene. |
| Percent Volatile By Volume: | N/A |
| pH: | N/A |

SECTION 10. STABILITY AND REACTIVITY

| | |
|-----------------------------------|--|
| Stability: | Stable |
| Incompatibility: | Strong oxidizers. |
| Hazardous Polymerization: | Will not occur. |
| Hazardous Decomposition Products: | Combustion will produce carbon dioxide and possibly toxic chemicals such as carbon monoxide. |

SECTION 11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY (Data from similar toner material):

| | |
|---------------------|--|
| Inhalation: | LC50: > 5mg/Kg (rats) |
| Ingestion: | LD50: > 5000 mg/Kg (rats) |
| Eye & Skin contact: | Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC based on test data of rabbits. |

CHRONIC TOXICITY:

No data available

OTHERS: Sub-acute Toxicity - Rat; 90 days inhalation Test, Sample: magnetic toner (mean volume diameter is 6.0um NOEL: 16mg/m3

CARCINOGENICITY:

No carcinogen or potential carcinogen, according to IARC Monographs, NTP, OSHA (USA) regulation California Proposition 65 and EC Directive.

SECTION 12. ECOLOGICAL INFORMATION

No information indicating any adverse ecological effects. Avoid spills and dispose of in accordance with applicable laws and regulations.

SECTION 13. DISPOSAL CONSIDERATIONS

The waste toner could be considered as plastic powder waste. Disposal should be subject to federal, state or local laws.

SECTION 14. TRANSPORTATION INFORMATION

SHIPPING NAME: None
HAZARD CLASS: None
UN No.: None

SECTION 15. REGULATORY INFORMATION

- Materials known to the State of California to cause Cancer: None
- Materials known to the State of California to cause adverse reproductive effects: NONE
- Carcinogenicity Classification: NONE
- International Agency for Research on Cancer (IARC): NONE
- American Conference of Governmental Industrial Hygienists (ACGIH) None
- National Toxicology Program (NTP): NONE
- Occupational Safety and Health Administration (OSHA): NONE
- Chemicals subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372: NONE
- TSCA STATUS: All chemical ingredients found on TSCA Inventory.
- RCRA STATUS: If discarded in its purchased form, this product would not be a hazardous waste either by listing or characteristic. However, under RCRA, it is the responsibility of the end user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as hazardous waste.

SECTION 16. OTHER INFORMATION

This information contained herein is furnished without warranty of any kind. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers and the protection of the environment.

ABBREVIATIONS:

"OSHA" stands for PEL (Permissible Exposure Limit) under Occupational Safety and Health Administration.
"ACGIH" stands for TLV (Threshold Limit Value) under American Conference of Governmental Industrial Hygienists.
"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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