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

Product Name: Canon Toner (Magenta) for CLC1000

Product Code: 1434A / F42-0525

Manufacturer: Canon Inc., 30-2, Shimomaruko 3-Chome, Ohta-ku, Tokyo 146-8501, Japan

Supplier: Canon USA, Inc., One Canon Park, Melville, NY 11747, USA

Phone #: 1-800-OK-CANON 24 Hr. Emergency CHEMTREC # 1-800-424-9300

MSDS #: TN0089-0406

SECTION 2  COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS #</th>
<th>Weight %</th>
<th>EU Symbol</th>
<th>EU R-Phrase</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
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</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>USA OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>EU ILV</th>
<th>DFG MAK</th>
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<tbody>
<tr>
<td>None</td>
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</tr>
</tbody>
</table>
SECTION 2  COMPOSITION/INFORMATION ON INGREDIENTS - Continued

Carcinogen
Chemical Name | CAS # | Reference
---|---|---
No component of this toner is listed as human carcinogen or potential carcinogen in IARC Monographs, NTP, OSHA regulations or Annex I to Directive 67/548/EEC.

Other Ingredient(s)
Chemical/Generic Name | Weight %
---|---
Polyester resin | 85 - 95
Pigment | 1 - 5

SECTION 3  HAZARDS IDENTIFICATION

Emergency Overview: Magenta fine powder, slight plastic odor.

Potential Health Effects and Symptoms:
- Inhalation: Exposure to excessive amounts of dust may cause physical irritation to respiratory tract.
- Ingestion: Practically non-toxic based on animal testing. Ingestion is a minor route of entry for intended use of this product.
- Eye: May cause transient slight irritation.
- Skin: May cause slight irritation.
- 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 Conditions Generally known to be Aggravated by Exposure: Not determined

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SECTION 4  FIRST AID MEASURES

First Aid Measures:
Inhalation: If symptoms are experienced, move victim to fresh air and get medical attention.

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:
Flash Point(°C): Not applicable
Flammable(Explosive) Limits: Not applicable
Autoignition Temperature(°C): Not available
SECTION 5  FIRE FIGHTING MEASURES - Continued

Fire and Explosive Properties - Continued:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Autoflammability</td>
<td>Not applicable</td>
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<tr>
<td>Explosive Properties</td>
<td>Can form explosive dust-air mixtures when finely dispersed in air.</td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td>Not available</td>
</tr>
<tr>
<td>Hazardous Combustion Products</td>
<td>CO2, CO</td>
</tr>
<tr>
<td>Other Properties</td>
<td>Not available</td>
</tr>
</tbody>
</table>

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.
SECTION 8    EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines:  USA OSHA(TWA/PEL): 15mg/m³ (Total dust)
                      5mg/m³ (Respirable fraction)
ACGIH(TWA/TLV):    10mg/m³ (Inhalable particulate)
                      3mg/m³ (Respirable particulate)
DFG (MAK):          4 mg/m³ (Inhalable fraction)
                      1.5 mg/m³ (Respirable fraction)  (Also refer to SECTION 2)

Engineering Controls: Use adequate ventilation.

Personal Protection Equipment(s):
Respiratory Protection: □ Required  ✗ Not Required
Eye/Face Protection: □ Required  ✗ Not Required
Skin Protection: □ Required  ✗ Not Required

SECTION 9    PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Magenta fine powder
Odor:     Slight plastic odor
pH:       Not applicable
Boiling Point/Range(°C): Not applicable
Melting Point/Range(°C): 100 - 150 (Softening point)
Decomposition Temperature(°C): >200
Flash Point(°C): Not applicable
Flammable (Explosive) Limits: Not applicable
Autoignition Temperature(°C): Not available
Autoflammability: Not applicable
Explosive Properties: Can form explosive dust-air mixtures when finely dispersed in air.
Oxidizing Properties: Not available
Vapor Pressure: Not applicable
Vapor Density: Not applicable
Density / Specific Gravity: 1.0-1.5
Water Solubility: Negligible
Fat Solubility: Partially soluble in toluene and xylene.
Partition Coefficient (n-Octanol/Water): Not applicable
Percent Volatile: Negligible
Evaporation Rate: Not applicable

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### SECTION 10  STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>Stability:</th>
<th>☒ Stable  ☐ Unstable</th>
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</thead>
<tbody>
<tr>
<td>Conditions to Avoid:</td>
<td>None</td>
</tr>
<tr>
<td>Materials to Avoid:</td>
<td>Strong oxidizers</td>
</tr>
<tr>
<td>Hazardous Decomposition Products:</td>
<td>CO, CO2</td>
</tr>
<tr>
<td>Hazardous Polymerization:</td>
<td>☐ May Occur ☒ Will Not Occur</td>
</tr>
<tr>
<td>Conditions to Avoid:</td>
<td>None</td>
</tr>
</tbody>
</table>

### SECTION 11  TOXICOLOGICAL INFORMATION

#### Acute Toxicity:
- **Inhalation:** Not available
- **Ingestion:** Rat, LD50 > 5000mg/kg
- **Eye:** Rabbit, transient slight conjunctival irritation only.
- **Skin:** Rabbit, mild-irritant
- **Sensitization:** Guinea pig, skin: Non-sensitizing
- **Mutagenicity:** Ames Test (Salmonella typhimurium): Negative
- **Reproductive Toxicity:** Not available
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 ECOLOGICAL INFORMATION

Mobility: Not available

Persistence / Degradability: Not available

Bioaccumulation: Not available

Ecotoxicity: Not available

Other Adverse Effects: Not available

SECTION 13 DISPOSAL CONSIDERATION

Method of Disposal: DO NOT put toner or toner container into fire; heated toner may cause severe burns. DO NOT shred a waste container holding remaining toner, unless dust-explosion preventing measures are taken. Finely dispersed particles form explosive mixtures in air. Disposal should be subject to federal, state or local laws.

SECTION 14 TRANSPORT INFORMATION

UN #: None
UN Shipping Name: None
UN Classification: None
UN Packing Group: None
Special Precautions: None

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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)2037/2000: Not regulated
(EEC)2455/92: Not regulated
Others: None

USA Information:
Information on the Label None
Signal Word: Not required
Hazard warning: Not required

Safety Advice: Not required

Hazardous Component(s): None

SARA Title III §313:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chromium (III) and compounds</td>
<td>5 wt% (Maximum)</td>
</tr>
<tr>
<td>(As chromium (III) metal)</td>
<td>(0.5 wt% (Maximum)</td>
</tr>
</tbody>
</table>

California Proposition 65:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

Date of Issue: June 3, 1996
Revised: December 21, 2001
SECTION 16  OTHER INFORMATION

Other Information:

- 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
- DFG, List of MAK and BAT Values

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