

Issuing date : 22-Dec-2008
Revision date : 26-Jun-2015

SDS #: TCW 0783 R - 01 GL EN
Version : 03

SECTION 1: Identification of the substance/mixture and of the company/undertaking**Product Identifier**

Product name Canon NPG-43 Black Toner
Product Code(s) 2784B001
Use Toner for electrophotographic machines

Details of the supplier of the safety data sheet**Supplier**

Canon Australia Pty Ltd
Building A, The Park Estate, 5 Talavera Road, Macquarie Park, NSW 2113, Australia
Email : qse@canon.com.au
Phone number : (61) 2-9805-2000
Emergency phone number : 13 11 26 (Within Australia)

Canon New Zealand Limited
28 The Warehouse Way, Akoranga Business Park, Northcote, Auckland, 0627, New Zealand
Email : qse@canon.com.au
Phone number : (64) 996-9300
Emergency phone number : 0800 764 766 or 0800 POISON (Within New Zealand)

Canon Singapore Pte. Ltd.
1 HarbourFront Avenue, #04-01 Keppel Bay Tower, Singapore 098632
Phone number : (65) 6799-8888

Canon India Pvt. Ltd.
7th Floor, Tower B, DLF Eptome, DLF Phase-3, Gurgaon-122002 Haryana, India
Phone number : (91) 124-416-0000
Emergency phone number : (91) 124-416-0180

Canon (China) Co. Ltd
2F., Jinbao Building No.89 Jinbao Street, Dongcheng District, Beijing, 100005, P.R.China

Manufacturer

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

SECTION 2: Hazards identification**Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008
Not classified

Classification according to EU Directives 67/548/EEC or 1999/45/EC
Not classified

Label Elements

Labelling according to Regulation (EC) No 1272/2008
Not required

Hazard pictograms

Not required

Signal word

Not required

Hazard statements

Not required

Precautionary Statements - EU (§28, 1272/2008)

Not required

Other Information

None

Other hazards which do not result in classification

None

SECTION 3: Composition/information on ingredients

Mixtures

| Chemical name | CAS-No | EC-No | Weight % | Classification (67/548) | Indication of danger | Classification (Reg. 1272/2008) |
|------------------|------------|-----------|----------|-------------------------|----------------------|---------------------------------|
| Polyester resin | CBI | CBI | 45 - 55 | None | None | None |
| Iron oxide | 1317-61-9 | 215-277-5 | 35 - 45 | None | None | None |
| Amorphous silica | 7631-86-9 | 231-545-4 | < 2 | None | None | None |
| Titanium dioxide | 13463-67-7 | 236-675-5 | < 1 | None | None | None |

SECTION 4: First aid measures

Description of first aid measures

| | |
|---------------------|--|
| Inhalation | Move to fresh air. Get medical attention immediately if symptoms occur. |
| Ingestion | Rinse mouth. Drink 1 or 2 glasses of water. Get medical attention immediately if symptoms occur. |
| Skin Contact | Wash off immediately with soap and plenty of water. Get medical attention immediately if symptoms occur. |
| Eye Contact | Flush with plenty of water. Get medical attention immediately if symptoms occur. |

Most important symptoms and effects, both acute and delayed

| | |
|------------------------|--|
| Inhalation | None under normal use. Exposure to excessive amounts of dust may cause physical irritation to respiratory tract. |
| Ingestion | None under normal use. |
| Skin Contact | None under normal use. |
| Eye Contact | None under normal use. May cause slight irritation. |
| Chronic Effects | None under normal use. Prolonged inhalation of excessive amounts of dust may cause lung damage. |

Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media

Use CO₂, dry chemical, or foam, Water.

Unsuitable extinguishing media

None

Special hazards arising from the substance or mixture

Special Hazard

May form explosive mixtures with air.

Hazardous combustion products

Carbon dioxide (CO₂), Carbon monoxide (CO)

Advice for firefighters

Special protective equipment for fire-fighters

None

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Avoid breathing dust. Avoid contact with skin, eyes and clothing.

Environmental Precautions

Keep out of waterways.

Methods and material for containment and cleaning up

Clean up promptly by scoop or vacuum. If a vacuum cleaner is used, be sure to use a model with dust explosion safety measures. May form explosive mixtures with air.

Other Information

None

SECTION 7: Handling and storage

Precautions for safe handling

Avoid breathing dust. Avoid contact with skin, eyes and clothing. Clean contaminated surface thoroughly. Use only with adequate ventilation.

Conditions for safe storage, including any incompatibilities

Keep in a dry, cool and well-ventilated place. Keep out of the reach of children. Incompatible with oxidizing agents.

Specific end uses

Toner for electrophotographic machines. Obtain special instructions before use.

SECTION 8: Exposure controls/personal protection

Control parameters

Exposure Limits

| Chemical name | EU OEL | Australia OEL | OSHA PEL | ACGIH TLV |
|--------------------------------|--------|--|--|---------------------------|
| Amorphous silica 7631-86-9 | None | TWA: 2 mg/m ³ respirable dust | TWA: 20 mppcf : (80)/(%) SiO ₂ mg/m ³ TWA | None |
| Titanium dioxide 13463-67-7 | None | TWA: 10 mg/m ³ inhalable dust | TWA: 15 mg/m ³ total dust | TWA: 10 mg/m ³ |

Appropriate engineering controls None under normal use conditions.

Individual protection measures, such as personal protective equipment

| | |
|-------------------------------|--------------------------------|
| Eye/face Protection | Not required under normal use. |
| Skin Protection | Not required under normal use. |
| Respiratory Protection | Not required under normal use. |
| Thermal hazards | Not Applicable |

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

| | |
|---|--------------------------------------|
| Appearance | Black ; powder |
| Odor | Slight odor |
| Odor threshold | No data available |
| pH | Not Applicable |
| Melting/Freezing point (°C) | 100-150 (Softening point) |
| Boiling Point/Range (°C) | Not Applicable |
| Flash Point (°C) | Not Applicable |
| Evaporation Rate | Not Applicable |
| Flammability (solid, gas) | Not flammable; estimated |
| Flammability Limits in Air | |
| Upper Flammability Limit | Not Applicable |
| Lower Flammability Limit | Not Applicable |
| Vapor pressure | Not Applicable |
| Vapor Density | Not Applicable |
| Relative density | 1.4-1.8 |
| Solubility(ies) | Organic solvent; partly soluble |
| Partition coefficient: n-octanol/water | Not Applicable |
| Autoignition Temperature (°C) | No data available |
| Decomposition Temperature (°C) | > 200 |
| Viscosity (mPa s) | Not Applicable |
| Explosive properties | May form explosive mixtures with air |
| Oxidizing properties | No data available |

Other Information

No data available

SECTION 10: Stability and reactivity

Reactivity

None

Chemical stability

Stable

Possibility of Hazardous Reactions

None

Conditions to Avoid

None

Incompatible materials

Acids, Bases, Oxidizing agents, Reducing agents.

Hazardous Decomposition Products

Carbon dioxide (CO₂), Carbon monoxide (CO)

SECTION 11: Toxicological information

Information on toxicological effects

| | |
|--|---|
| Acute toxicity | Estimate: LD50 > 2000 mg/kg (Ingestion) |
| Skin corrosion/irritation | Estimate: Non-irritant |
| Serious eye damage/eye irritation | Estimate: Transient slight conjunctival irritation only. |
| Sensitization | Estimate: Non-sensitizing |
| Germ cell mutagenicity | Ames Test (S. typhimurium, E. coli): Negative |
| Carcinogenicity | The IARC evaluated titanium dioxide as a Group 2B carcinogen, for which there is inadequate human evidence, but sufficient animal evidence. The latter is based upon the evidence such as development of lung tumors in rats receiving chronic inhalation exposure to powdered titanium dioxide at levels that induce particle overload of the lung. However, there is an inhalation study of a toner containing titanium dioxide which suggested no association between toner exposure and tumor development in rats. |
| Reproductive Toxicity | No data available |
| STOT - single exposure | No data available |
| STOT - repeated exposure | 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/m ³ 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/m ³ , and a mild to moderate degree of fibrosis was observed in 92% of the animals at 16 mg/m ³ . These findings are attributed to "lung overloading", a generic response to excessive amounts of any dust retained in the lung for a prolonged interval. |
| Aspiration hazard | No data available |
| Other Information | No data available |

SECTION 12: Ecological information

Toxicity

Ecotoxicity effects

Estimate: Fish, 96h LL50 > 1000 mg/l (WAF)
Estimate: Crustaceans, 48h EL50 > 1000 mg/l (WAF)
Estimate: Algae, ErL50(0-72h) > 1000 mg/l (WAF)

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Results of PBT and vPvB assessment

This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).
This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

Other adverse effects

No data available

SECTION 13: Disposal considerations

Waste treatment methods

DO NOT put toner or a toner container into fire. Heated toner may cause severe burns. DO NOT dispose of a toner container in a plastic crusher. Use a facility with dust explosion prevention measures. Finely dispersed particles form explosive mixtures with air. Dispose of in accordance with local regulations.

SECTION 14: Transport information

| | |
|--|--|
| <u>UN number</u> | None |
| <u>UN Proper Shipping Name</u> | None |
| <u>Transport Hazard Class</u> | None |
| <u>Packing Group</u> | None |
| <u>Environmental Hazards</u> | No special environmental precautions required. |
| <u>Special Precautions for users</u> | None |
| <u>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</u> | Not Applicable |

SECTION 15: Regulatory information

Safety, health and environmental regulations specific for the product in question

| | |
|--|---------------|
| (EC) No 1907/2006 Authorisation | Not regulated |
| (EC) No 1907/2006 Restriction | Not regulated |

| | |
|-----------------------|---|
| (EC) No 1005/2009 | Not regulated |
| (EC) No 850/2004 | Not regulated |
| (EU) No 649/2012 | Not regulated |
| Australia Information | Not classified as hazardous according to criteria of NOHSC:1008. Not classified as hazardous according to criteria of Work Health and Safety Regulations 2011. |
| Other Information | None |

SECTION 16: Other information

Key literature references and sources for data

- U.S. Department of Labor, 29CFR Part 1910
- ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices
- World Health Organization International Agency for Research on Cancer, IARC Monographs on the Evaluation on the Carcinogenic Risk of Chemicals to Humans
- EU Directive 1999/45/EC
- EU Regulation (EC) No 1907/2006, (EC) No 1272/2008, (EC) No 1005/2009, (EC) No 850/2004, (EU) No 649/2012
- Australia National Occupational Health and Safety Commission's Approved Criteria for Classifying Hazardous Substance [NOHSC:1008]
- Safe Work Australia, Model Work Health and Safety Act 2011 and Model Work Health and Safety Regulations 2011

Key or legend to abbreviations and acronyms used in the safety data sheet

- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- IARC: International Agency for Research on Cancer
- 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 OEL: Occupational exposure limits at Community level under Directive 2004/37/EC, 98/24/EC, 91/322/EEC, 2000/39/EC, 2006/15/EC and 2009/161/EU.
- TWA: Time Weighted Average
- STEL: Short Term Exposure Limit
- CBI: Confidential Business Information

| | |
|-----------------|------------------|
| Issuing date : | 22-Dec-2008 |
| Revision date : | 26-Jun-2015 |
| Revision Note | Entirely revised |

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.