# Safety Data Sheet

**Issuing date :** 27-Dec-2010
**Revision date :** 15-May-2015

**SDS # :** TCW 0545 R - 01 EU EN
**Version :** 02

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product Identifier

**Product name** Canon Toner Cartridge 729 Yellow Starter

**Product Code(s)** R00-9022

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Use** Toner for electrophotographic machines

### 1.3. Details of the supplier of the safety data sheet

**Supplier**
Importer
Canon Europa N.V.
Bovenkerkerweg 59, 1185XB Amstelveen, The Netherlands
+31 20 5458545, +31 20 5458222
www.canon-europe.com, ceu-Reach@canon-europe.com

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

### 1.4. Emergency Telephone Number

| | | | |
|---|---|---|---|
| **Austria** | +43 (0) 1 406 43 43 | **Belgium** | +32 (0) 70 245 245 |
| **Bulgaria** | 112 | **Croatia** | +385 (0)1-23-48-342 |
| **Cyprus** | 1401 | **Czech Republic** | +420 224919293 |
| **Denmark** | +45 82 12 12 12 [*1] | **Estonia** | 16662 |
| **Finland** | +358 (0)9 471977 | **France** | +33 (0)1 45 42 59 59 |
| **Greece** | +30 210 7793777 | **Hungary** | +36 80 20 11 99 |
| **Italy** | +39 (0)55 7947819 | **Latvia** | +371 67042473 |
| **Lithuania** | +370 687 53378 | **Luxembourg** | 112 |
| **Malta** | 112 | **Netherlands** | +31 (0)30-2748888 [*2] |
| **Poland** | 112 | **Portugal** | +351 808 250 143 |
| **Romania** | +40 21 318 36 06 | **Slovakia** | +421 2 5477 4166 |
| **Slovenia** | 112 | **Spain** | 112 |
| **Sweden** | 112 [*3] | **United Kingdom** | 111 (UK only) |
| **Iceland** | 112 | **Liechtenstein** | 145 |
| **Norway** | +47 22 59 13 00 | **Switzerland** | 145 |

*1 Kontakt Giftlinien på tlf.nr.: 82 12 12 12 (åbent 24 timer i døgnet). Se punkt 4 om førstehjælp.
*2 Only for the purpose of informing medical personnel in cases of acute intoxications.
*3 Ask for Poison Information

## SECTION 2: Hazards identification

### 2.1. 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

### 2.2. 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

### 2.3. Other Hazards

None

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

| Chemical name | CAS-No | EC-No | REACH registration number | Weight % | Classification (67/548) | Indication of danger | Classification (Reg. 1272/2008) |
|---|---|---|---|---|---|---|---|
| Styrene acrylate copolymer | CBI | CBI | None | 75 - 85 | None | None | None |
| Wax | CBI | CBI | None | 5 - 10 | None | None | None |
| Pigment | CBI | CBI | None | 1 - 5 | None | None | None |
| Amorphous silica | 7631-86-9 | 231-545-4 | 01-2119379499-16-xxxx | 1 - 3 | None | None | None |
| Titanium dioxide | 13463-67-7 | 236-675-5 | None | < 1 | None | None | None |

## SECTION 4: First aid measures

### 4.1. 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.

### 4.2. 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. |

**4.3. Indication of any immediate medical attention and special treatment needed**

None

## SECTION 5: Firefighting measures

**5.1. Extinguishing media**

**Suitable extinguishing media**
Use CO2, dry chemical, or foam, Water.

**Unsuitable extinguishing media**
None

**5.2. Special hazards arising from the substance or mixture**

**Special Hazard**
May form explosive mixtures with air.

**Hazardous combustion products**
Carbon dioxide ($CO_2$), Carbon monoxide (CO)

**5.3. Advice for firefighters**

**Special protective equipment for fire-fighters**
None

## SECTION 6: Accidental release measures

**6.1. Personal precautions, protective equipment and emergency procedures**

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

**6.2. Environmental Precautions**

Keep out of waterways.

**6.3. 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.

**6.4. Reference to other sections**

None

## SECTION 7: Handling and storage

**7.1. Precautions for safe handling**

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

### 7.2. 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.

### 7.3. Specific end uses

Toner for electrophotographic machines. Obtain special instructions before use.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**Exposure Limits**

| Chemical name | EU OEL | Austria | Belgium | Bulgaria | Cyprus |
|---|---|---|---|---|---|
| Amorphous silica 7631-86-9 | None | TWA: 4 mg/m³ inhalable fraction | None | None | None |
| Titanium dioxide 13463-67-7 | None | TWA: 5 mg/m³ alveolar dust, respirable fraction STEL: 10 mg/m³ alveolar dust, respirable fraction | TWA: 10 mg/m³ | TWA: 10.0 mg/m³ respirable dust | None |
| **Chemical name** | **Czech Republic** | **Denmark** | **Finland** | **France** | **Germany** |
| Amorphous silica 7631-86-9 | TWA: 4.0 mg/m³ amorphous SiO2 | None | TWA: 5 mg/m³ | None | TRGS TWA: 4 mg/m³ inhalable fraction DFG TWA: 4 mg/m³ inhalable fraction |
| Titanium dioxide 13463-67-7 | None | TWA: 6 mg/m³ | None | TWA: 10 mg/m³ | None |
| **Chemical name** | **Greece** | **Hungary** | **Ireland** | **Italy** | **Netherlands** |
| Amorphous silica 7631-86-9 | None | None | TWA: 6 mg/m³ total inhalable dust TWA: 2.4 mg/m³ respirable dust | None | None |
| Titanium dioxide 13463-67-7 | TWA: 10 mg/m³ inhalable fraction TWA: 5 mg/m³ respirable fraction | None | TWA: 10 mg/m³ total inhalable dust TWA: 4 mg/m³ respirable dust | None | None |
| **Chemical name** | **Poland** | **Portugal** | **Romania** | **Slovakia** | **Spain** |
| Amorphous silica 7631-86-9 | None | None | None | TWA: 4.0 mg/m³ total aerosol | None |
| Titanium dioxide 13463-67-7 | TWA: 10.0 mg/m³ total inhalable dust TWA: 10 mg/m³ STEL: 30 mg/m³ | TWA: 10 mg/m³ | TWA: 10 mg/m³ STEL: 15 mg/m³ | None | TWA: 10 mg/m³ |
| **Chemical name** | **Sweden** | **United Kingdom** | **Norway** | **Switzerland** | **Turkey** |
| Amorphous silica 7631-86-9 | None | TWA: 6 mg/m³ inhalable dust TWA: 2.4 mg/m³ respirable dust | TWA: 1.5 mg/m³ respirable dust STEL: 3 mg/m³ respirable dust | TWA: 4 mg/m³ inhalable | None |
| Titanium dioxide 13463-67-7 | TLV: 5 mg/m³ total dust | TWA: 10 mg/m³ total inhalable TWA: 4 mg/m³ respirable | TWA: 5 mg/m³ STEL: 10 mg/m³ | TWA: 3 mg/m³ respirable | None |

### 8.2. Exposure controls

**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

### 9.1. Information on basic physical and chemical properties

| | |
|---|---|
| **Appearance** | Yellow ; powder |
| **Odor** | Slight odor |
| **Odor threshold** | No data available |
| **pH** | Not Applicable |
| **Melting/Freezing point (°C)** | 80-130 (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** | 1.0-1.2 |
| **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 |

### 9.2. Other Information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

None

### 10.2. Chemical stability

Stable

### 10.3. Possibility of Hazardous Reactions

None

### 10.4. Conditions to Avoid

None

### 10.5. Incompatible materials

Acids, Bases, Oxidizing agents, Reducing agents.

### 10.6. Hazardous Decomposition Products

Carbon dioxide ($CO_2$), Carbon monoxide (CO)

## SECTION 11: Toxicological information

**11.1. 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

**12.1. Toxicity**

**Ecotoxicity effects**
Estimate: Fish, 96h LC50 > 100 mg/l
Estimate: Crustaceans, 48h EC50 > 100 mg/l
Estimate: Algae, ErC50(0-72h) > 100 mg/l

**12.2. Persistence and degradability**

No data available

**12.3. Bioaccumulative potential**

No data available

**12.4. Mobility in soil**

No data available

**12.5. 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).

**12.6. Other adverse effects**

No data available

## SECTION 13: Disposal considerations

**13.1. 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

| | |
|---|---|
| **14.1. UN number** | None |
| **14.2. UN Proper Shipping Name** | None |
| **14.3. Transport Hazard Class** | None |
| **14.4. Packing Group** | None |
| **14.5. Environmental Hazards** | No special environmental precautions required. |
| **14.6. Special Precautions for users** | None |
| **14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** | Not Applicable |

## SECTION 15: Regulatory information

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

| | |
|---|---|
| **(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 |
| **Other Information** | None |

**15.2. Chemical safety assessment**

None

## SECTION 16: Other information

**Key literature references and sources for data**
- 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

**Key or legend to abbreviations and acronyms used in the safety data sheet**
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- SVHC: Substances of Very High Concern
- IARC: International Agency for Research on Cancer
- 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 :** 27-Dec-2010

**Revision date :** 15-May-2015

**Revision Note** Entirely revised

**This safety data sheet (SDS) is supplied voluntarily.**

**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.**