Safety Data Sheet

Issuing date : 30-Apr-2010
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SDS # : TCW 0464 R - 02 EU EN
Version : 04

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

1.1. Product identifier

Product name Canon C-EXV 34 Yellow Toner

Product code(s) 3785B002

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. / Canon (UK) Ltd.
Bovenkerkerweg 59, 1185XB Amstelveen, The Netherlands
+31 20 5458545, +31 20 5458222
www.canon-europe.com, ceu-Reach@canon-europe.com

5 The Square, Stockley Park, Uxbridge, Middlesex, UB11 1ET United Kingdom
+44 01895 648000

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	+359 2 9154 233	**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
Ireland	353 (1) 809-2166/-2566	**Italy**	+39 (0)55 7947819
Latvia	+371 67042473	**Lithuania**	+370 (85) 2362052
Luxembourg	(+352) 8002 5500	**Malta**	21224071
Netherlands	+31 (0)30-2748888 [*2]	**Poland**	42 25 38-421/-422/-406
Portugal	+351 800 250 250	**Romania**	+40 21 318 36 06
Slovakia	+421 2 5477 4166	**Slovenia**	112
Spain	+34 91 562 04 20	**Sweden**	112 [*3]
United Kingdom	+44 121 507 4123	**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

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms
Not required

Signal word
Not required

Hazard statements
Not required

Precautionary statements
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 (Regulation (EC) No 1272/2008)	SCL, M-factor, ATE	Note to other hazards
Polyester resin	CBI	CBI	None	80 - 90	None	No data available	
Pigment	CBI	CBI	None	5 - 10	None	No data available	
Amorphous silica	7631-86-9	231-545-4	01-2119379499-16-xxxx	1 - 3	None	No data available	
Titanium dioxide	13463-67-7	236-675-5	None	< 1	None (For titanium dioxide in powder form containing 1% or more of particles with aerodynamic diameter ≤ 10µm: Carc. 2 (H351 inhal.))	No data available	

Full texts of Hazard statement(s) are listed in SECTION 16
Note to other hazards : The following substance(s) is (are) marked with (1), (2), (3) and/or (4)
- (1) Substance for which EU Occupational Exposure Limit(s) is (are) established (See SECTION 8)
- (2) PBT substance or vPvB substance under Regulation (EC) No 1907/2006
- (3) Substance listed in Candidate List of SVHC for Authorisation under Regulation (EC) No 1907/2006
- (4) Endocrine disrupting substance under Delegated Regulation (EU) 2017/2100 or Regulation (EU) 2018/605

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.

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 CO_2, water, dry chemical, or foam.

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 firefighters
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	DFG TWA: 0.3 mg/m³ respirable fraction Ceiling / Peak: 2.4 mg/m³ respirable fraction
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 STEL: 18 mg/m³ respirable dust STEL: 7.2 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 STEL: 30 mg/m³ respirable dust STEL: 12 mg/m³	None	None
Chemical name	**Poland**	**Portugal**	**Romania**	**Slovakia**	**Spain**
Titanium dioxide 13463-67-7	TWA: 10 mg/m³ inhalable fraction TWA: 10 mg/m³ STEL: 30 mg/m³	TWA: 10 mg/m³	TWA: 10 mg/m³ STEL: 15 mg/m³	TWA: 5 mg/m³	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 dust	None
Titanium dioxide 13463-67-7	TLV: 5 mg/m³	TWA: 10 mg/m³ total inhalable TWA: 4 mg/m³ respirable	TWA: 5 mg/m³ STEL: 10 mg/m³	TWA: 3 mg/m³ respirable dust	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

Physical state	Powder
Color	Yellow
Odor	Slight odor
Melting/freezing point (°C)	85 - 120 (Softening point)
Boiling point or initial boiling point and boiling range (°C)	Not applicable
Flammability	Not flammable; estimated
Lower and upper explosion limit	Not applicable
Flash point (°C)	Not applicable
Auto-ignition temperature (°C)	Not applicable
Decomposition temperature (°C)	> 200
pH	No data available
Kinematic viscosity (mm²/s)	Not applicable
Solubility	Organic solvent; partly soluble
Partition coefficient n-octanol/water (log value)	Not applicable
Vapor pressure	Not applicable
Density and/or relative density	1.0 - 1.5
Relative vapor density	Not applicable
Particle characteristics	1 - 10um

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 hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity	LD50 > 2000 mg/kg (Ingestion)
Skin corrosion/irritation	Non-irritant
Serious eye damage/eye irritation	Transient slight conjunctival irritation only.
Sensitization	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. Also European Chemical Agency evaluated titanium dioxide in powder form containing 1% or more of particles with aerodynamic diameter ≤ 10µm as a Group 2 carcinogen under EU Regulation (EC) No 1272/2008 for similar reason. 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

11.2. Information on other hazards

No data available

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity effects
Fish, 96h LL50 > 100 mg/l (WAF)

Crustaceans, 48h EL50 > 100 mg/l (WAF)
Algae, ErL50(0-72h) > 100 mg/l (WAF)

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. Endocrine disrupting properties

No data available

12.7. 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 or ID number	None
14.2. UN proper shipping name	None
14.3. Transport hazard class	None
14.4. Packing group	None
14.5. Environmental hazards	Not classified as environmentally hazardous under UN Model Regulations and marine pollutant under IMDG Code.
14.6. Special precautions for users	IATA: Not regulated
14.7. Maritime transport in bulk according to IMO instruments	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
(EU) 2019/1021	Not regulated
(EU) No 649/2012	Not regulated
Other information	None

15.2. Chemical safety assessment

None

SECTION 16: Other information

The data in SECTION 9, 11 and 12 of this SDS are based on the test results of this product, or estimates based on the data of similar product or the ingredients of this product.

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 Regulation (EC) No 1907/2006, (EC) No 1272/2008, (EC) No 1005/2009, (EU) 2019/1021, (EU) No 649/2012

Key or legend to abbreviations and acronyms used in the safety data sheet
- SCL: Specific Concentration Limit
- M-factor: Multiplication factor
- ATE: Acute Toxicity Estimate
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- SVHC: Substances of Very High Concern
- EU OEL: Occupational exposure limits at Union level under Directive 2004/37/EC, 98/24/EC, 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164 and (EU) 2019/1831.
- TWA: Time Weighted Average
- STEL: Short Term Exposure Limit
- IARC: International Agency for Research on Cancer
- IATA: International Air Transport Association
- CBI: Confidential Business Information

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