# SAFETY DATA SHEET

Océ ColorWave 500 Toner C

A CANON COMPANY

## Section 1. Identification

**GHS product identifier** : Océ ColorWave 500 Toner C

**Article number (Océ)** : 1070038732

**Product code (Canon)** : 9787B002AA

**Product type** : Solid.

**Relevant identified uses of the substance or mixture and uses advised against**

**Identified uses** : Toner for use in Océ ColorWave™500 Printer. Other uses are not recommended.

**Supplier's details** :

Canon USA Inc.
One Canon Park, Melville, NY
11747, USA
1-800-OK-CANON

Canon Canada Inc.
6390 Dixie Road, Mississauga
ON L5T 1P7, Canada
905-795-1111

**e-mail address of person responsible for this SDS** : sds-hq@oce.com

**Emergency telephone number (with hours of operation)** :

USA: CHEMTREC# 1-800-424-9300 (24-hour safety information)

Canada: CHEMTREC 1-703-741-5500 (24-hour safety information)

**or**

001866 928 0789 24h

For chemical emergenies only.

## Section 2. Hazards identification

**OSHA/HCS status** : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

**Classification of the substance or mixture** : Not classified.

**GHS label elements**

**Signal word** : No signal word.

**Hazard statements** : No known significant effects or critical hazards.

**Precautionary statements**

**Prevention** : Not applicable.

**Response** : Not applicable.

**Storage** : Not applicable.

**Disposal** : Not applicable.

**Hazards not otherwise classified** : TonerPearls may cause choking when swallowed. Keep out of the reach of children.

# Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture

**CAS number/other identifiers**

**CAS number** : Not applicable.

| Ingredient name | % | CAS number |
|---|---|---|
| Benzoic acid | 1 - 5 | 65-85-0 |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**

**Occupational exposure limits, if available, are listed in Section 8.**

# Section 4. First aid measures

**Description of necessary first aid measures**

**Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses.

**Inhalation** : If inhaled, remove to fresh air. Clean nose, mouth and throat. Cough up.

**Skin contact** : Wash contaminated skin with soap and water. Do NOT use solvents or thinners.

**Ingestion** : Wash out mouth with water. Keep person warm and at rest. Do not induce vomiting unless directed to do so by medical personnel. Seek medical advice if large quantities have been ingested.

**Most important symptoms/effects, acute and delayed**

**Potential acute health effects**

**Eye contact** : No known significant effects or critical hazards.

**Inhalation** : No known significant effects or critical hazards.

**Skin contact** : No known significant effects or critical hazards.

**Ingestion** : No known significant effects or critical hazards.

**Indication of immediate medical attention and special treatment needed, if necessary**

**Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

**Specific treatments** : No specific treatment.

**Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

**See toxicological information (Section 11)**

# Section 5. Fire-fighting measures

**Extinguishing media**

**Suitable extinguishing media** : In case of fire, use water spray (fog), foam, dry chemical or $CO_2$.

**Unsuitable extinguishing media** : Do not use water jet.

**Specific hazards arising from the chemical** : No specific fire or explosion hazard.

**Hazardous thermal decomposition products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides

# Section 5. Fire-fighting measures

**Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

# Section 6. Accidental release measures

## Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** : Do not touch or walk through spilled material. Put on appropriate personal protective equipment (see Section 8).

**For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

## Methods and materials for containment and cleaning up

**Small spill** : Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

**Large spill** : Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

# Section 7. Handling and storage

## Precautions for safe handling

**Protective measures** : Use with adequate ventilation. See operator manual or safety data sheet of the copier/printer.

**Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. See also Section 8 for additional information on hygiene measures.

**Conditions for safe storage, including any incompatibilities** : Do not store above the following temperature: 35°C (95°F). Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use.

# Section 8. Exposure controls/personal protection

## Control parameters

### Occupational exposure limits

None.

**Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants. See operator manual or safety data sheet of the copier/printer.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

## Individual protection measures

**Hygiene measures** : Wash hands before eating, drinking or smoking. Wash contaminated clothing before reusing.

**Eye/face protection** : Not required during normal intended use of this product.

## Section 8. Exposure controls/personal protection

**Skin protection**

**Hand protection** : Not required during normal intended use of this product.

**Body protection** : Not required during normal intended use of this product.

**Other skin protection** : Not required during normal intended use of this product.

**Respiratory protection** : Not required during normal intended use of this product.

## Section 9. Physical and chemical properties

**Appearance**

**Physical state** : Solid. [spheres]

**Color** : Blue.

**Odor** : Faint odor.

**Odor threshold** : Not available.

**pH** : Not applicable

**Melting point** : 80 to 85°C (176 to 185°F)

**Boiling point** : >250°C (>482°F)

**Flash point** : Closed cup: 200.5°C (392.9°F) [ASTM D 3828-07. Based on test result of similar product.]

**Evaporation rate** : Not applicable

**Flammability (solid, gas)** : Not available.

**Lower and upper explosive (flammable) limits** : Not available.

**Vapor pressure** : Not available.

**Vapor density** : Not available.

**Relative density** : 1.2 (20 °C)
1.08 (130 °C)

**Solubility** : Insoluble in the following materials: cold water and hot water.
Partially soluble in the following materials: acetone, Ethanol
Soluble in the following materials: Ethyl methyl ketone

**Solubility in water** : <0.00001 g/l

**Partition coefficient: n-octanol/water** : Not available.

**Auto-ignition temperature** : 425°C (797°F)

**Decomposition temperature** : Not available.

**Viscosity** : 9.0 - 11.0 mPa·s (130 °C)

## Section 10. Stability and reactivity

**Reactivity** : No specific test data related to reactivity available for this product or its ingredients.

**Chemical stability** : The product is stable.

**Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.

**Conditions to avoid** : None known.

**Incompatible materials** : None known.

**Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

# Section 11. Toxicological information

## Information on toxicological effects

### Acute toxicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|---|---|---|---|---|
| Benzoic acid | LD50 Oral | Rat - Male | 1700 mg/kg | - |

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

### Irritation/Corrosion

| Product/ingredient name | Result | Species | Score | Exposure | Observation |
|---|---|---|---|---|---|
| Benzoic acid | Skin - Mild irritant | Human | - | 40 minutes 0. 76 Percent | - |
| - | Skin - Moderate irritant | Human | - | 72 hours 22 milligrams Intermittent | - |

### Conclusion/Summary

**Skin** : Non-irritating to the skin. Based on toxicological literature on the ingredients of this product and test results of similar products.

**Eyes** : Non-irritating to the eyes. Based on toxicological literature on the ingredients of this product and test results of similar products.

**Respiratory** : Not applicable. No adverse effects are expected under intended use.

### Sensitization

Not available.

### Conclusion/Summary

**Skin** : Non-sensitizer. Based on toxicological literature on the ingredients of this product and test results of similar products.

### Mutagenicity

| Product/ingredient name | Test | Experiment | Result |
|---|---|---|---|
| Océ ColorWave 500 Toner C | OECD 471 471 Bacterial Reverse Mutation Test | Subject: Bacteria | Negative |

**Conclusion/Summary** : Not mutagenic in Ames test. Based on toxicological literature on the ingredients of this product and test results of similar products.

### Carcinogenicity

### Reproductive toxicity

Not available.

**Conclusion/Summary** : No known significant effects or critical hazards.

### Teratogenicity

Not available.

### Specific target organ toxicity (single exposure)

Not available.

### Specific target organ toxicity (repeated exposure)

| Name | Category | Route of exposure | Target organs |
|---|---|---|---|
| Benzoic acid | Category 1 | Inhalation | lungs |

### Aspiration hazard

Not available.

**Information on the likely routes of exposure** : Benzoic acid is classified as STOT RE 1 (inhalation, dust). However, Benzoic acid dust will not be formed due to the physical state of the toner. This was confirmed by means of emission measurements during normal use.

# Section 11. Toxicological information

## Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : No specific data.

**Inhalation** : No specific data.

**Skin contact** : No specific data.

**Ingestion** : No specific data.

## Numerical measures of toxicity

### Acute toxicity estimates

Not available.

# Section 12. Ecological information

## Toxicity

| Product/ingredient name | Result | Species | Exposure |
|---|---|---|---|
| Benzoic acid | Acute EC50 860 mg/l Fresh water | Daphnia - Daphnia magna - Neonate | 48 hours |
| - | Acute LC50 180 ppm Fresh water | Fish - Gambusia affinis - Adult | 96 hours |

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

## Persistence and degradability

Not available.

## Bioaccumulative potential

| Product/ingredient name | $LogP_{ow}$ | BCF | Potential |
|---|---|---|---|
| Benzoic acid | 1,88 | - | low |

## Mobility in soil

**Soil/water partition coefficient ($K_{OC}$)** : Not available.

**Other adverse effects** : No known significant effects or critical hazards.

# Section 13. Disposal considerations

**Disposal methods** : Incineration or landfill should only be considered when recycling is not feasible. Dispose of according to all federal, state and local applicable regulations.

**RCRA classification** : This product is not listed hazardous waste in accordance with Federal Regulation 40 CFR Part 261.

# Section 14. Transport information

## Section 14. Transport information

| | DOT Classification | TDG Classification | Mexico Classification | ADR/RID | IMDG | IATA |
|---|---|---|---|---|---|---|
| **UN number** | Not available. | Not available. | Not available. | Not available. | Not available. | Not available. |
| **UN proper shipping name** | Not available. | Not available. | Not available. | Not available. | Not available. | Not available. |
| **Transport hazard class(es)** | Not available. | Not available. | Not available. | Not available. | Not available. | Not available. |
| **Packing group** | - | - | - | - | - | - |
| **Environmental hazards** | No. | No. | No. | No. | No. | No. |
| **Additional information** | - | - | - | - | - | - |

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** : Not available.

## Section 15. Regulatory information

**U.S. Federal regulations** : **TSCA 8(a) CDR Exempt/Partial exemption**: Not determined

All components are listed or exempted.

**Clean Water Act (CWA) 307**: C.I. Solvent Blue 70

**Clean Water Act (CWA) 311**: benzoic acid

**Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)** : Not listed

**Clean Air Act Section 602 Class I Substances** : Not listed

**Clean Air Act Section 602 Class II Substances** : Not listed

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List II Chemicals (Essential Chemicals)** : Not listed

**SARA 302/304**

**Composition/information on ingredients**

No products were found.

**SARA 304 RQ** : Not applicable.

**SARA 311/312**

**Classification** : Not applicable.

**Composition/information on ingredients**

# Section 15. Regulatory information

| Name | % | Fire hazard | Sudden release of pressure | Reactive | Immediate (acute) health hazard | Delayed (chronic) health hazard |
|---|---|---|---|---|---|---|
| Benzoic acid | 1 - 5 | No. | No. | No. | Yes. | Yes. |

## SARA 313

| | Product name | CAS number | % |
|---|---|---|---|
| Form R - Reporting requirements | C.I. Solvent Blue 70 | 94277-77-7 | 1 - 5 |
| Supplier notification | C.I. Solvent Blue 70 | 94277-77-7 | 1 - 5 |

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

## State regulations

**Massachusetts** : The following components are listed: BENZOIC ACID

**New York** : The following components are listed: Benzoic acid

**New Jersey** : The following components are listed: BENZOIC ACID; COPPER compounds

**Pennsylvania** : The following components are listed: BENZOIC ACID; COPPER COMPOUNDS

## International regulations

### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

### Montreal Protocol (Annexes A, B, C, E)

Not listed.

### Stockholm Convention on Persistent Organic Pollutants

Not listed.

### Rotterdam Convention on Prior Inform Consent (PIC)

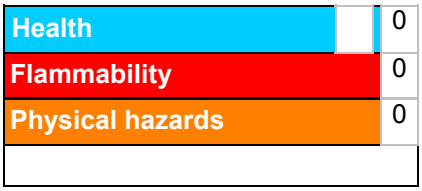
Not listed.

### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

# Section 16. Other information

## Hazardous Material Information System (U.S.A.)




**Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on SDSs under 29 CFR 1910. 1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.**

**The customer is responsible for determining the PPE code for this material.**

## National Fire Protection Association (U.S.A.)

# Section 16. Other information

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**Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.**

## History

**Date of printing** : 11-06-2015

**Date of issue/Date of revision** : 11-06-2015

**Date of previous issue** : No previous validation

**Version** : 1

**Key to abbreviations** : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
UN = United Nations

**References** : Not available.

**Indicates information that has changed from previously issued version.**

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