

Safety Data Sheet

MSDS No : TN309GE01

Date of issue : 2019/01/16

Revision History : 1

1. PRODUCT AND COMPANY IDENTIFICATION

Manufacturer : Fuji Xerox Co., Ltd
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Product Name : DocuPrint P375 d, DocuPrint P375 dw, DocuPrint P378 db, DocuPrint P378 d, DocuPrint P378 dw, DocuPrint M375 df, DocuPrint M375 z, DocuPrint M378 d, DocuPrint M378 df
 Toner(Black)

2. HAZARD IDENTIFICATION

GHS classification

Not classified as hazardous mixture of GHS classification.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Distinction of substance or mixture : Mixture
 Chemical Nature :

Chemical Name	Ingredients (% by wt.)	CAS Number
Styrene acrylate copolymer	65 - 80%	25767-47-9
Softening agent	10 - 20%	Undisclosed
PMMA	< 10%	9011-14-7
Carbon Black	< 10%	1333-86-4
Styrene/acrylate copolymer	< 10%	Undisclosed
Amorphous silica	< 10%	Undisclosed

This product does not contain Lead, Mercury, Cadmium, Hexavalent Chromium, Polybrominated Biphenyls (PBBs) or Polybrominated Diphenyl Ethers (PBDEs) intentionally.

4. FIRST-AID MEASURES

Eye contact : Flush with a large amount of water for at least 15 minutes.
 Seek medical advice.

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Skin contact	:	Wash with soap and water.
Inhalation	:	Remove from exposure and provide fresh air. Rinse mouth with water.
Ingestion	:	Rinse mouth with water. Give several glasses of water to drink and seek medical advice.

5.FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	:	Water spray, Foam, Dry chemicals. When in a machine, treat as an electrical fire.
Unsuitable Extinguishing Media	:	No Information.

6.ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Avoid inhalation. If you spill a large volume of toner, contact your local Fuji Xerox representative for special handling.
Environmental precautions	:	Prevent from entering into soil, waterways and ground water.
Methods and materials for containment and cleaning up	:	Get rid of fire sources. Use a broom or a wet cloth to wipe off spilled toner. (It may catch fire by electric sparks inside the vacuum cleaner and cause explosion.)

7.HANDLING AND STORAGE

Handling		
Technical measures	:	None required when used as intended in Fuji Xerox equipment.
Local and total ventilation	:	None required when used as intended in Fuji Xerox equipment.
Notice	:	Do not incinerate toner or a toner cartridge. Do not disassemble a cartridge.
Safe handling advice	:	Do not incinerate toner or a toner cartridge. Do not disassemble a cartridge.
Storage		
Technical measures	:	None
Conditions for safe storage	:	Keep in cool, dry and well-ventilated area. Keep out of reach of children.
Packaging compatibilities	:	Keep in Fuji Xerox's designated packaging materials.

8.EXPOSURE CONTROLS /PERSONAL PROTECTION

Control Parameters		
ACGIH TLV (2018)	:	10 mg/m ³ (Total) 3 mg/m ³ (Respirable)
Precautionary Measured	:	None required when used as intended in Fuji Xerox equipment.

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Personal Protective Equipment : For use other than normal customer operating procedures(such as in bulk toner processing facilities), local exhaust ventilation may be required.
None required when used as intended in Fuji Xerox equipment.
For use other than normal customer operating procedures(such as in bulk toner processing facilities), protective glove, goggles and respirators may be required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Powder
Color	: Black
Odor	: Faint Odor
pH	: Not available
Melting Point/freezing point	: Not available
Boiling Point/Initial boiling point and boiling range	: Not available
Flash point	: Not applicable
Auto-ignition temperature	: None
Upper/lower flammability or explosive limits	: Not available
Vapour Pressure	: Not available
Vapour density	: Not available
Relative density	: Not available
Solubility	: Insoluble
Partition coefficient:n-octanol/water	: Not applicable
Decomposition temperature	: Not available

10. STABILITY AND REACTIVITY

Stability and Reactivity	: Stable
Possibility of hazardous reactions	: None
Conditions to avoid	: None
Incompatible materials	: None
Hazardous decomposition products	: No Information

11. TOXICOLOGICAL INFORMATION

The toxicity data noted below is based on test results of this materials or similar materials.

Acute Toxicity

Swallowed→LD50(rat)	: >2000 mg/kg (practically non-toxic)
Skin Irritant(rabbit)	: Not an irritant
Skin Corrosive	: Not a corrosive
Serious eye damage/eye irritation -	: Slightly irritant

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Description(rabbit)

Skin or Respiratory sensitization - : Not a skin sensitizer

Description(guinea-pig)

Mutageny : Ames Assay: Negative

Carcinogenicity : In 1996, the IARC reevaluated carbon black as a Group 2B carcinogen (possible human carcinogen). This classification is given to chemicals, for which there is inadequate human evidence, but sufficient animal evidence on which to base an opinion of carcinogenicity. The classification is based upon the development of lung tumors in rats receiving chronic inhalation exposures to free carbon black at levels that induce particle overload of the lung.

Studies performed in animal models other than rats did not show any association between carbon black and lung tumors. Moreover, a two-year cancer bioassay using a typical toner preparation containing carbon black demonstrated no association between toner exposure and tumor development in rats.

Other ingredients of this product have not been classified as carcinogens according to IARC monographs, NTP and OSHA.

Reproduction and Development : Not classified as “ Reproductive and Development chemicals ^{ref.2}”

Specific Target Organ Toxicity Single Exposure : Not available

Specific Target Organ Toxicity Repeated : Not available

Aspiration Hazard : Not applicable

Other Information : None

12.ECOLOGICAL INFORMATION

The toxicity data noted below is based on test results of this materials or similar materials.

Ecotoxicity

Fish 96hr LL50(Oryzias latipes) : >500 mg/L (practically non-toxic)

Daphnia 48hr EL50(Daphnia magna) : >100 mg/L (practically non-toxic)

Algae 72hr ErL50(Selenastrum capricornutum) : >100 mg/L (practically non-toxic)

Persistence and degradability : Not available

Bioaccumulative potential : Not available

Mobility in soil : Not available

Other adverse effects : Not available

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13.DISPOSAL CONSIDERATIONS

Dispose off in accordance with national and local regulations.

14.TRANSPORT INFORMATION

Transport in accordance with national, and local regulations.

UN Hazard Class	:	None
UN Number	:	None
Air Transport		
ICAO-TI/IATA-DGR	:	None
Sea Transport		
IMDG Code	:	None

15.REGULATORY INFORMATION

Ensure this product in compliance with national requirements and ensure conformity to local regulations.

16.OTHER INFORMATION

The above mentioned data correspond to our present state of knowledge and experience, but no warranty is made. Users should consider these data only as a supplement to other information and must make independent determination of the suitability and completeness of information from all sources to ensure proper use and disposal of the materials and safety and health of employees and customers.

CAS Registry Number(R) is a Registered Trademark of the American Chemical Society.

References

- 1 : •IARC Monographs on the Evaluation Carcinogenic Risks to Humans (WHO.International Agency for Research on Cancer)
•National Toxicology Program(NTP) Report on Carcinogens (NTP)
•TLVs and BEIs (American Conference of Governmental Industrial Hygienists)
•REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 ANNEX VI on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
•Journal of Occupational Health(Japan Society for Occupational Health)
- 2 : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006