Photoreceptor Information Sheet

A Safety Data Sheet (SDS) is not required for the item number(s) you have requested.

All Xerox® photoreceptors are "articles" according to the OSHA Hazard Communication Standard (29CFR1910.1200(c)) and WHMIS HPA (Section II(2)). Therefore, Xerox Corporation does not offer an SDS for these products.

Frequently Requested Information Related to Xerox® Photoreceptors

Exposure Risk / Hazard Identification

Xerox® photoreceptors do not contain any substances which, in the form and concentrations utilized in these products, are considered to be hazardous to health. These products are articles which contain a chemical substance. Intended use of this product should not result in exposure to the chemical substance.

Chemical Composition

Substrate: Aluminum drum or polymeric belt

Coating: Polymers and photosensitive materials

Handling and Storage

Xerox® photoreceptors do not require special protective equipment during handling. These products should be stored at room temperature away from heat and sources of ignition.

Transportation Information

Xerox® photoreceptors are not regulated as a hazardous material for shipping

Disposal Considerations

Xerox® photoreceptors are not considered hazardous waste. These products and any associated packaging should be disposed of in accordance with local regulations. Certain photoreceptors - found in the Green World Alliance at Xerox.com - can be returned to Xerox for remanufacturing. If the photoreceptor is not on the Green World Alliance list you are encouraged to recycle the photoreceptor through a local scrap metal recycler or send it to an energy-from-waste facility for processing.

Additional questions related to Xerox® photoreceptors can be directed to:

Phone: 1-800-ASK-XEROX (1-800-275-9376)

Email: Askxerox@xerox.com

Product Safety Data Sheet
SDS # : 12-00570
2014-08-21
Revision 2

Xerox D95 Copier/Printer
Xerox D95A Copier/Printer
Xerox D110 Copier/Printer
Xerox D110 Printer
Xerox D125 Copier/Printer
Xerox D125 Printer

Product Description	Multifunction Equipment
Speed (PPM)	95 / 100 / 110 / 125
Mono / Color	Monochrome

ELECTRICAL INPUT INFORMATION

Voltage (Volts)	**208V-240V**	-
Rated Current (Amperes)	12	-
Frequency (Hertz)	50/60	-
Phase Connection	single	-

POWER AND HEAT

	Power (Watts)	Heat Output (BTU/Hr)	Power (Watts)	Heat Output (BTU/Hr)
Active [1]	2194	7459	-	-
Ready[1]	375	1275	-	-
Sleep[1]	13	44	-	-
Standby[1] (Off/FEMP) [2]	0	0	-	-

[1] Power states defined per ENERGY STAR Program requirements for Imaging Equipment
[2] FEMP - Federal Energy Management Program

Note: The electrical power information provided should not be used to define the electrical support required for this product. Consult your Xerox representative if you require detailed information.

OPERATING ENVIRONMENT

Relative Humidity %	15-85%
Ambient Temperature	50-83 °F / 10-28 °C

PRODUCT SIZE

Depth	31 in.	78.7 cm
Width	50 in.	127.0 cm
Height	57.5 in.	146.0 cm
Weight	606 lbs.	275 kg

SPACE REQUIREMENTS Refer to Users Guide
For additional information regarding different configurations please contact your local sales representative.

LIGHT SOURCE Class 1 Laser product containing an embedded Class 3B Laser

CHEMICAL EMISSIONS

Chemical Emission Test Method JMBS-66-1999
The machine was tested under the conditions as specified in the standard inside a room of 50 m^3 with 2 air changes per hour.

PARAMETER	CONCENTRATION	EMISSION RATE
TVOC	0.022 mg/m^3	12.65 mg/h
Dust	0.024 mg/m^3	1.2 mg/h
Ozone	0.005 mg/m^3	0.52 mg/h
Styrene	0.0072 mg/m^3	1.2 mg/h
Benzene	0.00029 mg/m^3	0.077 mg/h

Product Safety Data Sheet

ACOUSTICAL NOISE

	Sound Power Level LwAd (B)	Sound Pressure Level LpAd (dBA)
Standby	5.78	42.9
Run	7.9	62

SUPPLIES

MSDS Number(s)	A-1016, B-2006, C-3009, D-00002
MSDS Number(s) [Europe only]	3-1182

Xerox Corporation has developed this Product Safety Data sheet for informational purposes as a courtesy for Xerox customers. Any determination regarding the proper use of this information must be made by the user, including any use of the information for compliance with applicable laws, rules and regulations. Xerox believes the information herein to be accurate as of the date of issuance but makes no representations or warranties of any kind, either express or implied, as to the accuracy, completeness or fitness for use of the information. By issaunce of this Product Safety Data Sheet, Xerox does not asume any liability or responsibility for losses, claims, liabilities or damages which may result from reliance upon the information herein.

Inquiries U.S. Only: 1-800-275-9376
Contact U.S. Only: askxerox@xerox.com
Contact Non-U.S. Only: ehs-europe@xerox.com

Safety Data Sheet

SDS # : A-1016

Toner -Black

Issuing Date 2004-10-12 **Revision Date** 2015-05-05 **Version** 3

Active

1. Product and Company Identification

Trade Name Toner for Xerox 4110 Copier/Printer, Xerox 4110 EPS, Xerox 4112, Xerox 4112 EPS, Xerox 4127, Xerox 4127 EPS, Xerox 4590 Copier/Printer, Xerox 4590 EPS, Xerox 4595 Copier/Printer, Xerox 4595A, Xerox D95 Copier/Printer, Xerox D95A Copier/Printer, Xerox D110 Copier/Printer, Xerox D110 Printer, Xerox D125 Copier/Printer, Xerox D125 Printer

Part no. 006R01237, 006R01561, 006R01583, 006R90378

Color	Black
Pure substance/preparation	Preparation
Identified uses	Xerographic printing
Manufactured by	Xerox Corporation Rochester, NY 14644
Emergency telephone	Safety Information US: (800) 275-9376 Chemical Emergency only (Chemtrec) (800) 424-9300

2. Hazards Identification

Emergency Overview

The product contains no substances which, in the form utilized and at their given concentrations, are considered to be hazardous to health.

Color	Appearance	Physical state	Odor
Black	Powder	Solid	Faint

Classification of the substance or mixture

Customer use / Cartridges and sealed bottles

OSHA Hazard Classification

This product is an article which contains a mixture / preparation in powder form. Safety information is given for exposure to the article as sold and used by the customer. Intended use of the product is not expected to result in exposure to the mixture / preparation based on the packaging and method of dispensing.

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

Label elements

Signal Word None

Hazard Statements None required

Precautionary Statements None required

Potential Health Effects

Principle Routes of Exposure Inhalation

Acute toxicity

Eyes No known effect
Skin No known effect
Inhalation No known effect
Ingestion No known effect

Chronic effects

Main symptoms **Overexposure may cause:**
mild respiratory irritation similar to nuisance dust.

Aggravated medical conditions None under normal use conditions

Environmental hazard The environmental impact of this product has not been fully investigated. However, this preparation is not expected to present significant adverse environmental effects.

3. Composition/Information on Ingredients

Chemical Name	CAS-No	Weight %
Polymer	292629-36-8	>80
Paraffin Wax	8002-74-2	>5
Carbon Black	1333-86-4	>5
Amorphous silica	7631-86-9	<2
Titanium dioxide	13463-67-7	<1

4. First Aid Measures

General advice For external use only. When symptoms persist or in all cases of doubt seek medical advice. Show this material safety data sheet to the doctor in attendance.

Eye contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes

Skin contact Wash skin with soap and water

Inhalation Move to fresh air

Ingestion Rinse mouth with water and afterwards drink plenty of water or milk

Notes to physician Treat symptomatically

Protection of first-aiders No special protective equipment required

5. Fire-Fighting Measures

Flammable properties Not flammable. Will not readily ignite

Flash point	Not applicable
Suitable extinguishing media	Use water spray or fog; do not use straight streams, Foam
Unsuitable extinguishing media	Do not use a solid water stream as it may scatter and spread fire

Specific hazards arising from the chemical

Hazardous combustion products	Hazardous decomposition products due to incomplete combustion, Carbon oxides, Nitrogen oxides (NOx)
Explosion Data	
Sensitivity to Mechanical Impact	Not impact sensitive
Sensitivity to Static Discharge	Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard

Protective Equipment and Precautions for Firefighters
In the event of fire and/or explosion do not breathe fumes. Wear fire/flame resistant/retardant clothing. Use self-contained pressure-demand breathing apparatus if needed to prevent exposure to smoke or airborne toxins.

6. Accidental Release Measures

Personal Precautions	Avoid breathing dust
Environmental Precautions	No special environmental precautions required
Methods for containment	Prevent dust cloud
Methods for cleaning up	Prevent dust cloud. Sweep up or vacuum up spillage and collect in suitable container for disposal. Use non-sparking tools and equipment.
Other Information	The environmental impact of this product has not been fully investigated. However, this preparation is not expected to present significant adverse environmental effects.

7. Handling and Storage

Advice on safe handling	Handle in accordance with good industrial hygiene and safety practice Avoid dust accumulation in enclosed space Prevent dust cloud
Technical measures/Storage conditions	Keep container tightly closed in a dry and well-ventilated place Store at room temperature
Hygiene measures	None under normal use condtions

8. Exposure Controls/Personal Protection

Exposure guidelines
Product information

ACGIH TLV TWA	10 mg/m³ (inhalable particles)
ACGIH TLV TWA	3 mg/m³ (respirable dust)
OSHA PEL TWA	15 mg/m³ (total dust)
OSHA PEL TWA	5 mg/m³ (respirable dust)

Xerox Exposure Limit	2.5 mg/m³ (total dust)
Xerox Exposure Limit	0.4 mg/m³ (respirable dust)

Other Information

The results obtained from a Xerox sponsored Chronic Toner Inhalation Study demonstrated no lung changes in rats for the lowest (1 mg/m³) exposure level (the level most relevant to potential human exposure). A very slight degree of fibrosis was noted in 25% of animals at the middle (4mg/m³) exposure level, while a slight degree of fibrosis was noted in all the animals at the highest (16 mg/m³) exposure level. These findings are attributed to "lung overloading", a generic response to excessive amounts of any dust retained in the lungs for a prolonged period. This study was conducted using a special test toner to comply with an EPA testing protocol.

Occupational Exposure Controls

Engineering measures	None under normal use conditions

Personal Protective Equipment

Customer use / Cartridges and sealed bottles

Respiratory protection	No special protective equipment required
Eye/Face protection	No special protective equipment required
Skin and body protection	No special protective equipment required
Hand protection	No special protective equipment required

9. Physical and Chemical Properties

Appearance	Powder	**Odor**	Faint
Odor threshold	Not applicable	**Physical state**	Solid
pH	Not applicable	**Color**	Black
Flash point	Not applicable	**Boiling point/range**	Not applicable
Softening point	49 - 60 °C / 120 - 140 °F	**Autoignition temperature**	Not applicable

Flammability Limits in Air	Not applicable
Explosive properties	Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
Vapor pressure	Not applicable
Vapor density	Not applicable
Water solubility	Negligible
Viscosity	Not applicable
Partition coefficient	Not applicable
Evaporation rate	Not applicable
Melting point/range	Not determined
Freezing point	Not applicable
Decomposition temperature	Not determined
Specific gravity	~ 1

10. Stability and Reactivity

Reactivity	No dangerous reaction known under conditions of normal use

Stability	Stable under normal conditions
Incompatible products	None
Conditions to Avoid	Prevent dust cloud Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard
Hazardous Decomposition Products	None under normal use
Hazardous polymerization	Hazardous polymerization does not occur
Hazardous reactions	None under normal processing

11. Toxicological Information

The toxicity data noted below is based on the test results of similar reprographic materials.

Acute toxicity

Product information

Irritation	No skin irritation, No eye irritation
LD50 Oral	> 5 g/kg (rat)
LD50 Dermal	> 5 g/kg (rabbit)
LC50 Inhalation:	> 5 mg/L (rat, 4 hr)
Eyes	No known effect
Skin	No known effect
Inhalation	No known effect
Ingestion	No known effect

Chronic toxicity

Product information

Chronic effects	No known effects under normal use conditions
Main symptoms	**Overexposure may cause:** mild respiratory irritation similar to nuisance dust.
Aggravated medical conditions	None under normal use conditions
Carcinogenicity	See "Other Information" in this section.

Chemical Name	IARC	NTP
Carbon Black	2B	
Titanium dioxide	2B	

Other information

The IARC (International Agency for Research on Cancer) has listed carbon black as "possibly carcinogenic to humans". The classification is based on studies evaluating pure, "free" carbon black. In contrast, toner is a formulation composed of specially prepared polymer and a small amount of carbon black (or other pigment). In the process of making toner, the small amount of carbon black becomes encapsulated within a matrix. Xerox has performed extensive testing of toner, including a chronic bioassay (test for potential carcinogenicity). Exposure to toner did not produce evidence of cancer in exposed animals. The results were submitted to regulatory agencies and published extensively.

The IARC (International Agency for Research on Cancer) has listed titanium dioxide as "possibly carcinogenic to humans". The classification is based on studies in rats using pure, unbound TiO2. Based on the review of available study results, when this product is used as intended, Xerox has concluded that the presence of titanium dioxide in this mixture does not present an increased risk of lung cancer or chronic respiratory disease.

Other toxic effects

Product information

Sensitization	No sensitization responses were observed
Mutagenic effects	Not mutagenic in AMES Test

Target organ effects	None known
Other adverse effects	None known
Aspiration Hazard	Not applicable

12. Ecological Information

Ecotoxicity
The environmental impact of this product has not been fully investigated. However, this preparation is not expected to present significant adverse environmental effects.

13. Disposal Considerations

Waste Disposal Methods	This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.
Contaminated packaging	Dispose of in accordance with local regulations.

14. Transport Information

Note	This material is not subject to regulation as a hazardous material for shipping.

15. Regulatory Information

OSHA Regulatory Status
This product is an article which contains a mixture / preparation in powder form. Safety information is given for exposure to the article as sold and used by the customer. Intended use of the product is not expected to result in exposure to the mixture / preparation based on the packaging and method of dispensing.
While this material is not considered hazardous by the OSHA hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information for the safe handling and proper use of the product. This SDS should be retained and made available to employees and other users of this product.

International Inventories

TSCA	Complies
DSL/NDSL	Complies

U.S. Federal Regulations
SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.
Clean Water Act
This product is not regulated as a pollutant pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).
Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)
This product is not regulated as a hazardous air pollutant (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.
TSCA
TSCA 12(b) does not apply to this product.

U.S. State Regulations

California Proposition 65
Carbon black is regulated under California Proposition 65 only if in the form of "airborne, unbound particles of respirable size". Toner products do not contain carbon black in the form of "airborne, unbound particles of respirable size". Therefore, the requirements of Proposition 65 do not apply to this product.

Titanium dioxide is regulated under California Proposition 65 only if a product results in exposure in the form of "airborne, unbound particles of respirable size". Toner products do not result in exposure to titanium dioxide in the form of "airborne, unbound particles of respirable size". Therefore, the requirements of Proposition 65 do not apply to this product.

Chemical Name	CAS-No	California Prop. 65
Carbon Black	1333-86-4	Carcinogen
Titanium dioxide	13463-67-7	Carcinogen

U.S. State Right-to-Know Regulations
Although this product contains substances included in some U.S. State Right-to-Know regulations, the particles are bound in a unique matrix and, therefore, the product does not pose any specific hazard.

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

16. Other Information

Issuing Date	2004-10-12
Revision Date	2015-05-05
Revision Note	Updated for OSHA HazCom 2012 and WHMIS 2015

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.

end

Safety Data Sheet

SDS # : B-2006

Developer-Black

Issuing Date 2004-05-10 **Revision Date** 2015-05-15 **Version** 2

Active

1. Product and Company Identification

Trade Name Developer for Xerox 4110 Copier/Printer, Xerox 4112, Xerox 4112 EPS, Xerox 4127, Xerox 4127 EPS, Xerox 4590 Copier/Printer, Xerox 4595 Copier/Printer, Xerox D95 Copier/Printer, Xerox D95A Copier/Printer, Xerox D110 Copier/Printer, Xerox D110 Printer, Xerox D125 Copier/Printer, Xerox D125 Printer

Part no. 005R00704

Color	Black
Pure substance/preparation	Preparation
Identified uses	Xerographic printing
Manufactured by	Xerox Corporation Rochester, NY 14644
Emergency telephone	Safety Information US: (800) 275-9376 Chemical Emergency only (Chemtrec) (800) 424-9300

2. Hazards Identification

Emergency Overview

The product contains no substances which, in the form utilized and at their given concentrations, are considered to be hazardous to health.

Color	Appearance	Physical state	Odor
Black	Powder	Solid	Faint

Classification of the substance or mixture

Customer use / Cartridges and sealed bottles

OSHA Hazard Classification

This product is an article which contains a mixture / preparation in powder form. Safety information is given for exposure to the article as sold and used by the customer. Intended use of the product is not expected to result in exposure to the mixture / preparation based on the packaging and method of dispensing.

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

Label elements

Signal Word	None
Hazard Statements	None required
Precautionary Statements	None required

Potential Health Effects

Principle Routes of Exposure	Inhalation
Acute toxicity	
Eyes	No known effect
Skin	No known effect
Inhalation	No known effect
Ingestion	No known effect
Chronic effects	
Main symptoms	**Overexposure may cause:** mild respiratory irritation similar to nuisance dust.
Aggravated medical conditions	None under normal use conditions
Environmental hazard	The environmental impact of this product has not been fully investigated. However, this preparation is not expected to present significant adverse environmental effects.

3. Composition/Information on Ingredients

Chemical Name	CAS-No	Weight %
Ferrite	66402-68-4	>95
Polymer	292629-36-8	>5
Carbon Black	1333-86-4	<1

4. First Aid Measures

General advice	For external use only. When symptoms persist or in all cases of doubt seek medical advice. Show this material safety data sheet to the doctor in attendance.
Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes
Skin contact	Wash skin with soap and water
Inhalation	Move to fresh air
Ingestion	Rinse mouth with water and afterwards drink plenty of water or milk
Notes to physician	Treat symptomatically
Protection of first-aiders	No special protective equipment required

5. Fire-Fighting Measures

Flammable properties	Not flammable. Will not readily ignite
Flash point	Not applicable
Suitable extinguishing media	Use water spray or fog; do not use straight streams, Foam

Unsuitable extinguishing media	Do not use a solid water stream as it may scatter and spread fire

Specific hazards arising from the chemical

Hazardous combustion products	Hazardous decomposition products due to incomplete combustion, Carbon oxides, Nitrogen oxides (NOx)
Explosion Data	
Sensitivity to Mechanical Impact	Not impact sensitive
Sensitivity to Static Discharge	Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard

Protective Equipment and Precautions for Firefighters
In the event of fire and/or explosion do not breathe fumes. Wear fire/flame resistant/retardant clothing. Use self-contained pressure-demand breathing apparatus if needed to prevent exposure to smoke or airborne toxins.

6. Accidental Release Measures

Personal Precautions	Avoid breathing dust
Environmental Precautions	No special environmental precautions required
Methods for containment	Prevent dust cloud
Methods for cleaning up	Prevent dust cloud. Sweep up or vacuum up spillage and collect in suitable container for disposal. Use non-sparking tools and equipment.
Other Information	The environmental impact of this product has not been fully investigated. However, this preparation is not expected to present significant adverse environmental effects.

7. Handling and Storage

Advice on safe handling	Handle in accordance with good industrial hygiene and safety practice Avoid dust accumulation in enclosed space Prevent dust cloud
Technical measures/Storage conditions	Keep container tightly closed in a dry and well-ventilated place Store at room temperature
Hygiene measures	None under normal use condtions

8. Exposure Controls/Personal Protection

Exposure guidelines
Product information

ACGIH TLV TWA	10 mg/m³ (inhalable particles)
ACGIH TLV TWA	3 mg/m³ (respirable dust)
OSHA PEL TWA	15 mg/m³ (total dust)
OSHA PEL TWA	5 mg/m³ (respirable dust)
Xerox Exposure Limit	2.5 mg/m³ (total dust)
Xerox Exposure Limit	0.4 mg/m³ (respirable dust)

Other Information
The results obtained from a Xerox sponsored Chronic Toner Inhalation Study demonstrated no lung changes in rats for the lowest (1 mg/m³) exposure level (the level most relevant to potential human exposure). A very slight degree of fibrosis was noted in 25% of animals at the middle (4mg/m³) exposure level, while a slight degree of fibrosis was noted in all the animals at the highest (16 mg/m³) exposure level. These findings are attributed to "lung overloading", a generic response to excessive amounts of any dust retained in the lungs for a prolonged period. This study was conducted using a special test toner to comply with an EPA testing protocol.

Occupational Exposure Controls

Engineering measures None under normal use conditions

Personal Protective Equipment

Customer use / Cartridges and sealed bottles

Respiratory protection	No special protective equipment required
Eye/Face protection	No special protective equipment required
Skin and body protection	No special protective equipment required
Hand protection	No special protective equipment required

9. Physical and Chemical Properties

Appearance	Powder	**Odor**	Faint
Odor threshold	Not applicable	**Physical state**	Solid
pH	Not applicable	**Color**	Black
Flash point	Not applicable	**Boiling point/range**	Not applicable
Autoignition temperature	Not applicable		

Flammability Limits in Air Not applicable

Explosive properties	Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard
Vapor pressure	Not applicable
Vapor density	Not applicable
Water solubility	Negligible
Viscosity	Not applicable
Partition coefficient	Not applicable
Evaporation rate	Not applicable
Melting point/range	Not determined
Freezing point	Not applicable
Decomposition temperature	Not determined
Specific gravity	~ 1 (toner component) ~ 5 (carrier component)

10. Stability and Reactivity

Reactivity No dangerous reaction known under conditions of normal use

Stability	Stable under normal conditions
Incompatible products	None
Conditions to Avoid	Prevent dust cloud Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard
Hazardous Decomposition Products	None under normal use
Hazardous polymerization	Hazardous polymerization does not occur
Hazardous reactions	None under normal processing

11. Toxicological Information

The toxicity data noted below is based on the test results of similar reprographic materials.

Acute toxicity

Product information

Irritation	No skin irritation, No eye irritation
LD50 Oral	> 5 g/kg (rat)
LD50 Dermal	> 5 g/kg (rabbit)
LC50 Inhalation:	> 5 mg/L (rat, 4 hr)
Eyes	No known effect
Skin	No known effect
Inhalation	No known effect
Ingestion	No known effect

Chronic toxicity

Product information

Chronic effects	No known effects under normal use conditions
Main symptoms	**Overexposure may cause:** mild respiratory irritation similar to nuisance dust.
Aggravated medical conditions	None under normal use conditions
Carcinogenicity	See "Other Information" in this section.

Chemical Name	IARC	NTP
Carbon Black	2B	

Other information

The IARC (International Agency for Research on Cancer) has listed carbon black as "possibly carcinogenic to humans". The classification is based on studies evaluating pure, "free" carbon black. In contrast, toner is a formulation composed of specially prepared polymer and a small amount of carbon black (or other pigment). In the process of making toner, the small amount of carbon black becomes encapsulated within a matrix. Xerox has performed extensive testing of toner, including a chronic bioassay (test for potential carcinogenicity). Exposure to toner did not produce evidence of cancer in exposed animals. The results were submitted to regulatory agencies and published extensively.

Other toxic effects

Product information

Sensitization	No sensitization responses were observed
Mutagenic effects	Not mutagenic in AMES Test
Target organ effects	None known
Other adverse effects	None known
Aspiration Hazard	Not applicable

12. Ecological Information

Ecotoxicity
The environmental impact of this product has not been fully investigated. However, this preparation is not expected to present significant adverse environmental effects.

13. Disposal Considerations

Waste Disposal Methods

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated packaging

Dispose of in accordance with local regulations.

14. Transport Information

Note

This material is not subject to regulation as a hazardous material for shipping.

15. Regulatory Information

OSHA Regulatory Status
This product is an article which contains a mixture / preparation in powder form. Safety information is given for exposure to the article as sold and used by the customer. Intended use of the product is not expected to result in exposure to the mixture / preparation based on the packaging and method of dispensing.
While this material is not considered hazardous by the OSHA hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information for the safe handling and proper use of the product. This SDS should be retained and made available to employees and other users of this product.

International Inventories

TSCA	Complies
DSL/NDSL	Complies

U.S. Federal Regulations
SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.
Clean Water Act
This product is not regulated as a pollutant pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).
Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)
This product is not regulated as a hazardous air pollutant (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.
CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.
TSCA
TSCA 12(b) does not apply to this product.

U.S. State Regulations

California Proposition 65
Carbon black is regulated under California Proposition 65 only if in the form of "airborne, unbound particles of respirable size". Toner products do not contain carbon black in the form of "airborne, unbound particles of respirable size". Therefore, the requirements of Proposition 65 do not apply to this product.

Chemical Name	CAS-No	California Prop. 65
Carbon Black	1333-86-4	Carcinogen

U.S. State Right-to-Know Regulations
Although this product contains substances included in some U.S. State Right-to-Know regulations, the particles are bound in a unique matrix and, therefore, the product does not pose any specific hazard.

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

16. Other Information

Issuing Date	2004-05-10
Revision Date	2015-05-15
Revision Note	Updated for OSHA HazCom 2012 and WHMIS 2015

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.

end

Safety Data Sheet

SDS # : D-00002

Fuser Cleaning Cartridge

Issuing Date 2011-09-06 **Revision Date** 2015-05-05 **Version** 1

Active

1. Product and Company Identification

Trade Name Fuser Cleaning Cartridge for Xerox 4110 Copier/Printer, Xerox 4112, Xerox 4112 EPS, Xerox 4127, Xerox 4127 EPS, Xerox 4590 Copier/Printer, Xerox 4595 Copier/Printer, Xerox D95 Copier/Printer, Xerox D95A Copier/Printer, Xerox D110 Copier/Printer, Xerox D110 Printer, Xerox D125 Copier/Printer, Xerox D125 Printer

Part no. 008R13000

Color Clear
Pure substance/preparation Substance

Identified uses Lubricant

Manufactured by Xerox Corporation
Rochester, NY 14644

Emergency telephone Safety Information US: (800) 275-9376
Chemical Emergency only (Chemtrec) (800) 424-9300

2. Hazards Identification

Emergency Overview

The product contains no substances which, in the form utilized and at their given concentrations, are considered to be hazardous to health.

Color	Appearance	Physical state	Odor
Clear	Viscous	Liquid	Slight

Classification of the substance or mixture

Consumers **Not classified**

GHS Label elements, including precautionary statements

Signal Word **None**

Hazard Statements None required
Precautionary Statements None required

Other hazards which do not result in classification

Potential Health Effects

Principle Routes of Exposure Inhalation

Acute toxicity
- **Eyes** Not an irritant
- **Skin** Non-irritating during normal use
- **Inhalation** May cause irritation of respiratory tract
- **Ingestion** May be harmful if swallowed

Chronic effects
- **Main symptoms** May cause minimal irritation of respiratory passages on continuous exposure to high concentrations.

Environmental hazard See Section 12 for additional Ecological Information

3. Composition/Information on Ingredients

Chemical Name	CAS-No	Weight %
Polydimethylsiloxane	63148-62-9	100

4. First Aid Measures

General advice When symptoms persist or in all cases of doubt seek medical advice. Show this material safety data sheet to the doctor in attendance.

Eye contact Rinse thoroughly with water as necessary

Skin contact Wash skin with soap and water

Inhalation Move to fresh air

Ingestion Dilute stomach contents with several glasses of water

Notes to physician Treat symptomatically

Protection of first-aiders No special protective equipment required

5. Fire-Fighting Measures

Flammable properties Slightly flammable

Flash point > 95 °C / > 200 °F
Method Cleveland Open Cup (COC)

Suitable extinguishing media Water spray, Foam, Carbon dioxide (CO_2)

Unsuitable extinguishing media None

Specific hazards arising from the chemical

Hazardous combustion products No information available

Explosion Data
- **Sensitivity to Mechanical Impact** Not impact sensitive
- **Sensitivity to Static Discharge** Not sensitive

Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental Release Measures

Personal Precautions	None required for material as supplied
Methods for containment	Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13)
Methods for cleaning up	Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.
Other Information	The environmental impact of this product has not been fully investigated. However, this preparation is not expected to present significant adverse environmental effects.

7. Handling and Storage

Advice on safe handling	Handle in accordance with good industrial hygiene and safety practice
Technical measures/Storage conditions	For safety reasons in case of fire, cans should be stored separately in closed containments
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice

8. Exposure Controls/Personal Protection

Exposure guidelines

Xerox Exposure Limit	Not established

Occupational Exposure Controls

Engineering measures	None under normal use conditions.

Personal Protective Equipment

Consumer use	These recommendations apply to the product as supplied
Respiratory protection	None required under normal usage
Eye/Face protection	No special protective equipment required
Skin and body protection	No special protective equipment required
Hand protection	Protective gloves, Polyvinylchloride (PVC)

9. Physical and Chemical Properties

Appearance	Viscous	**Odor**	Slight
Odor threshold	No information available	**Physical state**	Liquid
pH	not available	**Color**	Clear

Flash point	> 95 °C / > 200 °F	**Boiling point/range**	149 °C
Softening point	Not applicable	**Autoignition temperature**	No information available

Volatility	N.A. % (Wt.) N.A. % (Vol.)
Flammability Limits in Air	Not applicable
Vapor pressure	<5 mmHg
Vapor density	Not applicable
Water solubility	Negligible
Viscosity	No information available
Partition coefficient	No information available
Evaporation rate	<1 (ether = 1)
Melting point/range	Not applicable
Freezing point	No information available
Decomposition temperature	Not determined
Specific gravity	0.98 (water = 1)

10. Stability and Reactivity

Reactivity	No dangerous reaction known under conditions of normal use
Stability	Stable under normal conditions
Incompatible products	Strong oxidizing agents
Conditions to Avoid	Keep away from open flames, hot surfaces and sources of ignition
Hazardous Decomposition Products	Carbon dioxide (CO_2), Silicon dioxide, Hazardous decomposition products include traces of incompletely burned carbon products
Hazardous polymerization	Hazardous polymerization does not occur
Hazardous reactions	None under normal processing

11. Toxicological Information

Acute toxicity

Product information

Irritation	Not a dermal irritant
LC50 Inhalation	> 11 mg/L (rat) (4-hr)

Component information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Polydimethylsiloxane	17 g/kg (Rat)	2 g/kg (Rabbit)	

Chronic toxicity

Main symptoms	May cause minimal irritation of respiratory passages on continuous exposure to high concentrations.
Carcinogenicity	Contains no ingredient listed as a carcinogen

Other toxic effects

Product information

Sensitization	Not a sensitizer
Mutagenic effects	Not mutagenic in AMES Test
Teratogenicity	No information available
Target organ effects	No information available

Aspiration Hazard	No information available
Other adverse effects	No information available

12. Ecological Information

Ecotoxicity
The environmental impact of this product has not been fully investigated.

Component information
No component data available

Persistence and degradability	No product level data available
Bioaccumulation	No product level data available
Mobility	No product level data available

Component information
No component data available

Other adverse effects	No information available

13. Disposal Considerations

Waste Disposal Methods	This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.
Contaminated packaging	Dispose of in accordance with local regulations.

14. Transport Information

Note	This material is not subject to regulation as a hazardous material for shipping.

15. Regulatory Information

International Inventories

TSCA	Complies

U.S. Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories	No information available

Clean Water Act
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)
This product does not contain any HAPs.
CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.
TSCA
This product complies with TSCA12(b)

U.S. State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals.
U.S. State Right-to-Know Regulations
This product does not contain any substances regulated by state right-to-know regulations.

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

16. Other Information

Issuing Date	2011-09-06
Revision Date	2015-05-05
Revision Note	Updated for OSHA HazCom 2012 and WHMIS 2015

Disclaimer
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end

Product Name: DV614C

Prepared date:15-Oct-2011
Revised Date: 4-Jan-2016

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Name: DV614C
used for: PRESS C1070/C1070P/C1060/C71cf, PRO C1060L

Supplier Identification:

Konica Minolta Business Solutions (Canada), Ltd.
369 Britannia Road East Mississauga, Ontario L4Z 2H5
Telephone: (905)890-6600 Facsimile: (905)283-2511

Emergency Telephone No.

CHEMTREC
Telephone: 1-800-424-9300

WHMIS: This product is NOT subject to the controlled products regulations.

2. HAZARDS IDENTIFICATION

Regulation (EC) No 1272/2008

Classification: Not classified as dangerous.

Hazard Communication Standard (USA)

Classification: Not classified as dangerous.

LABEL ELEMENTS

Precautionary pictograms:	—
Signal word:	—
Hazard Statement:	—
Precautionary Statements:	—

Other Hazards

Dust explosion (like most finely divided organic powders).

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance [ ] Preparation [X]

Major Ingredients:

[Generic Name]	[CAS No.]	[%]
Ferrite Iron oxide	1309-37-1	60-70
. Manganese oxide	1344-43-0	15-25
. Magnesium oxide	1309-48-4	1-10
Styrene-acrylic resin	+++	1-10
Acryl resin	+++	1-10
Organic pigment	147-14-8	< 1
Amorphous silica	7631-86-9	< 1

+++: Supplier's confidential information

Hazardous Ingredients:

Chemical Name: Manganese oxide

CAS No.: 1344-43-0 EINECS-No.: 215-695-8

Symbol(EC): Not listed H code(EC): Not listed

4. FIRST-AID MEASURES

Ingestion: Wash out mouth with water. Drink one or two glasses of water. If symptoms occur, get medical attention.

Inhalation: Move victim to fresh air immediately. If symptoms occur, get medical attention.

Eye Contact: Immediately flush eyes with plenty of water for 15 minutes. If symptoms occur, get medical attention.

Skin Contact: Wash with water and mild soap.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: CO2, water spray, foam and dry chemical

Extinguishing Media to Avoid: Full water jet

Fire and Explosion Hazards: If dispersed in air, like most finely divided organic powders, may form an explosive mixture.

Protection of Firefighters: Use self-contained breathing apparatus(SCBA).

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: None

Environmental Precautions: None

Methods for Cleaning Up: Wear personal protective equipment(See Section 8). Vacuum or sweep material and place in a bag and hold for waste disposal. Use vacuum equipped with High Efficiency Particulate Air(HEPA) filter. Vacuum should be electrically bonded and grounded to dispel static electricity. To avoid dust generation, do not sweep dry.

7. HANDLING AND STORAGE

Handling

Technical Measures: None

Precautions: Do not breathe dust. Avoid contact with eyes.

Safe Handling Advice: Try not to disperse the particulates.

Storage

Technical Measures: None

Storage Conditions: Keep container closed. Store in a cool and dry place. Keep out of reach of children.

Incompatible Products: None

Packaging Materials: Bottles or Cartridge designated by Konica Minolta.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures

Ventilation: None required with intended use.

Control Parameters(As total dust)

ACGIH-TLV(USA) :	10mg/m3 (Inhalable particles),	3.0 mg/m3 (Respirable particles)
OSHA-PEL(USA):	15mg/m3 (Total dusts),	5.0 mg/m3 (Respirable fraction)
DFG-MAK(GER):	4mg/m3 (Inhalable fraction),	1.5mg/m3 (Respirable fraction)
Safe Work Australia-TWA:	10mg/m3	

Control Parameters (As Ingredients: Manganese oxide)

ACGIH-TLV(USA): 0.1mg/m3(Mn;Inharable Fraction)
0.02mg/m3(Mn;Respirable Fraction)

OSHA Z-Tables(USA):ceiling 5mg/m3

Safe Work Australia-TWA: 1mg/m3

Personal Protective Equipment

Not required under normal conditions. For use other than in normal operating procedures (such as in the event of large spill), goggles and respirators may be required.

Hygiene Measures: Wash hands after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Physical State: Solid	Color: Cyan
Form: Powder (mean dia. is 30-40um by volume)	
Odor:	Almost odorless
PH	Not applicable
Boiling Point(°C):	Not applicable
Melting Point(°C):	Around No data available /[] (Softening Point)
Flash Point(°C):	Not applicable
Auto-Ignition Temperature(°C):	No data available
Upper/ lower flammability or explosive limits	No data available
Explosion Properties:	No data available
Evaporation rate:	No data available
Vapor Pressure:	Not applicable
Vapor density:	Not applicable
Specific Gravity:	5.0
Solubility:	Insoluble in water.
Partition Coefficient, n-Octanol/Water:	Not applicable
Decomposition temperature:	Not applicable

10. STABILITY AND REACTIVITY

Reactivity:	None.
Stability:	Stable except above 200C(392F).
Hazardous Reactions:	Dust explosion, like most finely divided organic powders.
Conditions to avoid:	Electric discharge, throwing into fire.
Materials to Avoid:	Oxidizing materials.
Hazardous Decomposition Products:	CO, CO2, and smoke.
Hazardous Polymerization:	Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:

Ingestion(oral), LD50(mg/kg):	>2000 (Rat) *
Dermal, LD50(mg/kg):	No data available
Inhalation, LC50(mg/l):	No data available
Eye irritation:	No data available
Skin irritation:	No data available
Skin sensitizer:	No data available

Local Effects: see Chronic Toxicity or Long term Toxicity

Chronic Toxicity or Long Term Toxicity:

Prolonged inhalation of excessive dust may cause lung damage. It is attributed to "lung overloading", a generic response to excessive amounts of any dust retained in the lungs for a prolonged interval. Use of this product, as intended, does not result in inhalation of excessive dust.

In a study in rats by chronic inhalation exposure to a typical toner, a mild to moderate degree of lung fibrosis was observed in 92% of rats in the high concentration(16mg/m^3) exposure group, and a minimal to mild degree of fibrosis was noted in 22% of the animals in the middle(4mg/m^3) exposure group. But no pulmonary change was reported in the lowest(1mg/m^3) exposure group, the most relevant level to potential human exposures.

Carcinogenicity

IARC Monographs:	Not listed
NTP(USA):	Not listed
OSHA Regulated(USA):	Not listed

Mutagenicity:	Negative * (AMES test)
Teratogenicity:	No data available

(*= Based on data for other Konica Minolta Products with similar ingredients)

12. ECOLOGICAL INFORMATION

No data are available on the adverse effects of this material on the environment.

Ecotoxicity:	No data available
Mobility:	No data available
Persistence and degradability:	No data available
Bioaccumulative potential:	No data available

13. DISPOSAL CONSIDERATION

When disposing of the waste or recovered material, consult federal, state and/or local regulations for the proper disposal method.

14. TRANSPORT INFORMATION

Information on Code and Classifications According to International Regulations

UN Classification: None

Further information: Not a dangerous good under IATA or IMDG.

Hazchem code (Austl.): None

15. REGULATORY INFORMATION

US Information

TSCA (Toxic Substances Control Act):

All chemical substances in this product comply with all applicable rules or order under TSCA.

California Proposition 65:

This product contains no chemical substances subject to California Proposition 65.

CERCLA(Comprehensive Environmental Response Compensation and Liability Act) :

None.

SARA Title III (Superfund Amendments and Reauthorization Act) 302 Extreme Hazardous Substance :

None.

311/312 Hazard Categories :

None.

313 Reportable Ingredients :

None.

EU Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

- Regulation (EC) No 2037/2000 of the European Parliament and of the Council on Substances That Deplete the Ozone Layer: Not applicable
- Regulation (EC) No 850/2004 of the European Parliament and of the Council on Persistent Organic Pollutants and Amending Directive 79/117/EEC (POPs): Not applicable
- Regulation (EU) No 649/2012 of the European Parliament and of the Council on Concerning the Export and Import of Dangerous Chemicals (PIC): Not applicable
- Directive 2012/18/EU of the European Parliament and of the Council on the Control of Major-Accident Hazards Involving Dangerous Substances, Amending and Subsequently Repealing Council Directive 96/82/EC, (Seveso III): Not applicable
- Regulation (EC) No 1907/2006 of the European Parliament and of the Council:
  - Annex XIV- List of Substances Subject To Authorization: Not applicable
  - Annex XVII- Restrictions on the Manufacture, Placing on the Market and Use of Certain Dangerous Substances, Preparations and Articles: Not applicable

For this product a chemical safety assessment was not carried out.

16. OTHER INFORMATION

HMIS Rating: The National Paint and Coating Association (USA): Health: 1 Flammability: 1 Reactivity: 0
Explanation of term: IARC 2B means "possible human carcinogen".
Abbreviations:

ACGIH-TWA: Threshold Limit Value of American Conference of Government Industrial Hygienists
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act
DFG-MAK: Maximale Arbeitsplatz-Konzentration by Deutsche Forschuugsgemeinschaft
DGR: Dangerous Goods Regulations
EINECS: European Inventory of Existing Commercial Chemical Substances
H-Code: Hazard Code
HMIS: Hazardous Materials Identification System
IARC: International Agency for Research on Cancer
IATA: International Air Transport Association
IMDG: International Maritime Dangerous Goods Code
NTP: National Toxicology Program
OEL: Occupational exposure limit
OSHA: Occupational Safety and Health Administration
PBT: Persistent, Bioaccumulative and Toxic
SARA: Superfund Amendments and Reauthorization Act
TSCA: Toxic Substances Control Act
vPvB: very Persistent and very Bioaccumulative

Revision Information: Regular revision on revised date.
Literature References:

ANSI Z400.1-1993
ISO 11014-1
Commission Directive 91/155/EEC
IARC(2010): IARC monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans, Vol. 93, Carbon Black, Titanium Dioxide, and Talc, Lyon, pp. 43-191
H.Muhle, B.Bellmann, O.Creutzenberg, C.Dasenbrock, H.Ernst, R.Kilpper, J.C.MacKenzie, P.Morrow, U.Mohr, S.Takenaka, and R.Mermelstein(1991)
Pulmonary Response to Toner upon Chronic Inhalation Exposure in Rats. Fundamental and Applied Toxicology 17, pp.280-299.

Restrictions:

The above information is believed to be accurate and represents the best information currently available to Our Corporation. However, Our Corporation makes no warranty with respect to such information, and Our Corporation assumes no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes.

Product Name: DV614K

Prepared Date:15-Oct-2011
Revised Date: 4-Jan-2016

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Name: DV614K
used for: PRESS C1070/C1070P/C1060/C71cf, PRO C1060L

Supplier Identification:

Konica Minolta Business Solutions (Canada), Ltd.
369 Britannia Road East Mississauga, Ontario L4Z 2H5
Telephone: (905)890-6600 Facsimile: (905)283-2511

Emergency Telephone No.

CHEMTREC
Telephone: 1-800-424-9300
WHMIS: This product is NOT subject to the controlled products regulations.

2. HAZARDS IDENTIFICATION

Regulation (EC) No 1272/2008

Classification: Not classified as dangerous.

Hazard Communication Standard (USA)

Classification: Not classified as dangerous.

LABEL ELEMENTS

Precautionary pictograms:	—
Signal word:	—
Hazard Statement:	—
Precautionary Statements:	—

Other Hazards

Dust explosion (like most finely divided organic powders).

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance [ ] Preparation [X]

Major Ingredients:

[Generic Name]		[CAS No.]	[%]
Ferrite	Iron oxide	1309-37-1	60-70
.	Manganese oxide	1344-43-0	15-25
.	Magnesium oxide	1309-48-4	1-10
Styrene-acrylic resin		+++	1-10
Acryl resin		+++	1-10
Carbon black		1333-86-4	< 1
Amorphous silica		7631-86-9	< 1

+++: Supplier's confidential information

Hazardous Ingredients:

Chemical Name: Carbon black

CAS No.: 1333-86-4

EINECS-No.: 215-609-9 REACH Registration number: 01-2119384822-32-XXXX

NTP(USA): Not listed IARC Monographs: Group 2B

California Proposition 65(USA): Listed

Symbol(EC): Not listed H code(EC): Not listed

DFG-MAK(GER): III 3B

Chemical Name: Manganese oxide

CAS No.: 1344-43-0 EINECS-No.: 215-695-8

Symbol(EC): Not listed H code(EC): Not listed

4. FIRST-AID MEASURES

Ingestion: Wash out mouth with water. Drink one or two glasses of water. If symptoms occur, get medical attention.

Inhalation: Move victim to fresh air immediately. If symptoms occur, get medical attention.

Eye Contact: Immediately flush eyes with plenty of water for 15 minutes. If symptoms occur, get medical attention.

Skin Contact: Wash with water and mild soap.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: CO2, water spray, foam and dry chemical

Extinguishing Media to Avoid: Full water jet

Fire and Explosion Hazards: If dispersed in air, like most finely divided organic powders, may form an explosive mixture.

Protection of Firefighters: Use self-contained breathing apparatus(SCBA).

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: None

Environmental Precautions: None

Methods for Cleaning Up: Wear personal protective equipment(See Section 8). Vacuum or sweep material and place in a bag and hold for waste disposal. Use vacuum equipped with High Efficiency Particulate Air(HEPA) filter. Vacuum should be electrically bonded and grounded to dispel static electricity. To avoid dust generation, do not sweep dry.

7. HANDLING AND STORAGE

Handling

Technical Measures: None

Precautions: Do not breathe dust. Avoid contact with eyes.

Safe Handling Advice: Try not to disperse the particulates.

Storage

Technical Measures: None

Storage Conditions: Keep container closed. Store in a cool and dry place. Keep out of reach of children.

Incompatible Products: None

Packaging Materials: Bottles or Cartridge designated by Konica Minolta.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures

Ventilation: None required with intended use.

Control Parameters (As total dust)

ACGIH-TLV (USA): 10mg/m3 (Inhalable particles), 3.0 mg/m3 (Respirable particles)

OSHA-PEL (USA): 15mg/m3 (Total dusts), 5.0 mg/m3 (Respirable fraction)

DFG-MAK (GER): 4mg/m3 (Inhalable fraction), 1.5mg/m3 (Respirable fraction)

Safe Work Australia-TWA: 10mg/m3

Control Parameters (As Ingredients: Carbon black)

ACGIH-TLV (USA): 3mg/m3

OSHA Z-Table (USA): 3.5mg/m3

Safe Work Australia-TWA: 3mg/m3

Control Parameters (As Ingredients: Manganese oxide)

ACGIH-TLV(USA): 0.1mg/m3(Mn;Inharable Fraction)
0.02mg/m3(Mn;Respirable Fraction)

OSHA Z-Tables(USA):ceiling 5mg/m3

Safe Work Australia-TWA: 1mg/m3(Mn)

Personal Protective Equipment

Not required under normal conditions. For use other than in normal operating procedures (such as in the event of large spill), goggles and respirators may be required.

Hygiene Measures: Wash hands after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State: Solid — Color: Black

Form: Powder (mean dia. is 30-40um by volume)

Odor:	Almost odorless
PH	Not applicable
Boiling Point(°C):	Not applicable
Melting Point(°C)/[F]:	Around No data available /[] (Softening Point)
Flash Point(°C):	Not applicable
Auto-Ignition Temperature(°C):	No data available
Upper/ lower flammability or explosive limits	No data available
Explosion Properties:	No data available
Evaporation rate:	No data available
Vapor Pressure:	Not applicable
Vapor density:	Not applicable
Specific Gravity:	5.0
Solubility:	Insoluble in water.
Partition Coefficient, n-Octanol/Water:	Not applicable
Decomposition temperature:	Not applicable

10. STABILITY AND REACTIVITY

Reactivity:	None.
Stability:	Stable except above 200C(392F).
Hazardous Reactions:	Dust explosion, like most finely divided organic powders.
Conditions to avoid:	Electric discharge, throwing into fire.
Materials to Avoid:	Oxidizing materials.
Hazardous Decomposition Products:	CO, CO2, and smoke.
Hazardous Polymerization:	Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:

Ingestion(oral), LD50(mg/kg): >2000(Rat) *
Dermal, LD50(mg/kg): No data available
Inhalation, LC50(mg/l): No data available
(This was the highest attainable concentration.)
Eye irritation: No data available
Skin irritation: No data available

Skin sensitizer: No data available

Local Effects: see Chronic Toxicity or Long term Toxicity

Chronic Toxicity or Long Term Toxicity:

In a two-year inhalation study of chronic toxicity and carcinogenicity using a typical toner in rats, there were no lung changes at all in the lowest exposure level (1mg/m3), the most relevant level to potential human exposures. A minimal to mild degree of fibrosis was noted in 22% of the animals at the middle exposure level (4mg/m3), and a mild to moderate degree of fibrosis was observed in 92% of the rats at the highest exposure level(16mg/m3). The lung changes observed in the higher exposure groups are interpreted in terms of "lung overloading", a series of generic responses to the presence of large quantities of respirable, insoluble and relatively benign dusts retained for extended time periods in the lungs. Lung tumor frequency was unchanged among rats exposed to toner at the three exposure levels, and for air-only control rats.

Carcinogenicity

The IARC reevaluated carbon black as a Group 2B carcinogen (possible human carcinogen). This evaluation is given to Carbon Black for which there is inadequate human evidence, but sufficient animal evidence. The latter 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 have not demonstrated an 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.

Mutagenicity: Negative *(AMES test)
Teratogenicity: No data available

(*= Based on data for other Konica Minolta Products with similar ingredients)

12. ECOLOGICAL INFORMATION

No data are available on the adverse effects of this material on the environment.

Ecotoxicity: No data available
Mobility: No data available
Persistence and degradability: No data available
Bioaccumulative potential: No data available

13. DISPOSAL CONSIDERATION

When disposing of the waste or recovered material, consult federal, state and/or local regulations for the proper disposal method.

14. TRANSPORT INFORMATION

Information on Code and Classifications According to International Regulations

UN Classification: None

Further information: Not a dangerous good under IATA or IMDG.

Hazchem code (Austl.): None

15. REGULATORY INFORMATION

US Information

TSCA (Toxic Substances Control Act):

All chemical substances in this product comply with all applicable rules or order under TSCA.

California Proposition 65:

Ingredient carbon black subject to California Proposition 65 is bound in polymer-matrices so that warnings are not required.

CERCLA(Comprehensive Environmental Response Compensation and Liability Act) :

None.

SARA Title III (Superfund Amendments and Reauthorization Act) 302 Extreme Hazardous Substance :

None.

311/312 Hazard Categories :

None.

313 Reportable Ingredients :

None.

EU Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

• Regulation (EC) No 2037/2000 of the European Parliament and of the Council on Substances That Deplete the Ozone Layer: Not applicable

• Regulation (EC) No 850/2004 of the European Parliament and of the Council on Persistent Organic Pollutants and Amending Directive 79/117/EEC (POPs): Not applicable

• Regulation (EU) No 649/2012 of the European Parliament and of the Council on Concerning the Export and Import of Dangerous Chemicals (PIC): Not applicable

• Directive 2012/18/EU of the European Parliament and of the Council on the Control of Major-Accident Hazards Involving Dangerous Substances, Amending and Subsequently Repealing Council Directive 96/82/EC, (Seveso III): Not applicable

• Regulation (EC) No 1907/2006 of the European Parliament and of the Council:

- Annex XIV- List of Substances Subject To Authorization: Not applicable
- Annex XVII- Restrictions on the Manufacture, Placing on the Market and Use of Certain Dangerous Substances, Preparations and Articles: Not applicable

For this product a chemical safety assessment was not carried out.

16. OTHER INFORMATION

HMIS Rating: The National Paint and Coating Association (USA): Health: 1 Flammability: 1 Reactivity: 0

Explanation of term: IARC 2B means "possible human carcinogen".

Abbreviations:

ACGIH-TWA: Threshold Limit Value of American Conference of Government Industrial Hygienists
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act
DFG-MAK: Maximale Arbeitsplatz-Konzentration by Deutsche Forschuugsgemeinschaft
DGR: Dangerous Goods Regulations
EINECS: European Inventory of Existing Commercial Chemical Substances
H-Code: Hazard Code
HMIS: Hazardous Materials Identification System
IARC: International Agency for Research on Cancer
IATA: International Air Transport Association
IMDG: International Maritime Dangerous Goods Code
NTP: National Toxicology Program
OEL: Occupational exposure limit
OSHA: Occupational Safety and Health Administration
PBT: Persistent, Bioaccumulative and Toxic
SARA: Superfund Amendments and Reauthorization Act
TSCA: Toxic Substances Control Act
vPvB: very Persistent and very Bioaccumulative

Revision Information: Regular revision on revised date.

Literature References:

ANSI Z400.1-1993
ISO 11014-1
Commission Directive 91/155/EEC
IARC(2010): IARC monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans, Vol. 93, Carbon Black, Titanium Dioxide, and Talc, Lyon, pp. 43-191
H.Muhle, B.Bellmann, O.Creutzenberg, C.Dasenbrock, H.Ernst, R.Kilpper, J.C.MacKenzie, P.Morrow, U.Mohr, S.Takenaka, and R.Mermelstein(1991)
Pulmonary Response to Toner upon Chronic Inhalation Exposure in Rats. Fundamental and Applied Toxicology 17, pp.280-299.

Restrictions:

The above information is believed to be accurate and represents the best information currently available to Our Corporation. However, Our Corporation makes no warranty with respect to such information, and Our Corporation assumes no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes.

Product Name: DV614M

Prepared date:15-Oct-2011
Revised Date: 4-Jan-2016

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Name: DV614M
used for: PRESS C1070/C1070P/C1060/C71cf, PRO C1060L

Supplier Identification:

Konica Minolta Business Solutions (Canada), Ltd.
369 Britannia Road East Mississauga, Ontario L4Z 2H5
Telephone: (905)890-6600 Facsimile: (905)283-2511

Emergency Telephone No.

CHEMTREC
Telephone: 1-800-424-9300

WHMIS: This product is NOT subject to the controlled products regulations.

2. HAZARDS IDENTIFICATION

Regulation (EC) No 1272/2008

Classification: Not classified as dangerous.

Hazard Communication Standard (USA)

Classification: Not classified as dangerous.

LABEL ELEMENTS

Precautionary pictograms:	—
Signal word:	—
Hazard Statement:	—
Precautionary Statements:	—

Other Hazards

Dust explosion (like most finely divided organic powders).

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance [ ] Preparation [X]

Major Ingredients:

[Generic Name]		[CAS No.]	[%]
Ferrite	Iron oxide	1309-37-1	60-70
.	Manganese oxide	1344-43-0	15-25
.	Magnesium oxide	1309-48-4	1-10
Styrene-acrylic resin		+++	1-10
Acryl resin		+++	1-10
Amorphous silica		7631-86-9	<1

+++: Supplier's confidential information

Hazardous Ingredients:

Chemical Name: Manganese oxide

CAS No.: 1344-43-0 EINECS-No.: 215-695-8

Symbol(EC): Not listed H code(EC): Not listed

4. FIRST-AID MEASURES

Ingestion: Wash out mouth with water. Drink one or two glasses of water. If symptoms occur, get medical attention.

Inhalation: Move victim to fresh air immediately. If symptoms occur, get medical attention.

Eye Contact: Immediately flush eyes with plenty of water for 15 minutes. If symptoms occur, get medical attention.

Skin Contact: Wash with water and mild soap.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: CO_2, water spray, foam and dry chemical

Extinguishing Media to Avoid: Full water jet

Fire and Explosion Hazards: If dispersed in air, like most finely divided organic powders, may form an explosive mixture.

Protection of Firefighters: Use self-contained breathing apparatus(SCBA).

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: None

Environmental Precautions: None

Methods for Cleaning Up: Wear personal protective equipment(See Section 8). Vacuum or sweep material and place in a bag and hold for waste disposal. Use vacuum equipped with High Efficiency Particulate Air(HEPA) filter. Vacuum should be electrically bonded and grounded to dispel static electricity. To avoid dust generation, do not sweep dry.

7. HANDLING AND STORAGE

Handling

Technical Measures: None

Precautions: Do not breathe dust. Avoid contact with eyes.

Safe Handling Advice: Try not to disperse the particulates.

Storage

Technical Measures: None

Storage Conditions: Keep container closed. Store in a cool and dry place. Keep out of reach of children.

Incompatible Products: None

Packaging Materials: Bottles or Cartridge designated by Konica Minolta.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures

Ventilation: None required with intended use.

Control Parameters(As total dust)

ACGIH-TLV(USA) :	10mg/m3 (Inhalable particles),	3.0 mg/m3 (Respirable particles)
OSHA-PEL(USA):	15mg/m3 (Total dusts),	5.0 mg/m3 (Respirable fraction)
DFG-MAK(GER):	4mg/m3 (Inhalable fraction),	1.5mg/m3 (Respirable fraction)
Safe Work Australia-TWA:	10mg/m3	

Control Parameters (As Ingredients: Manganese oxide)

ACGIH-TLV(USA): 0.1mg/m3(Mn;Inharable Fraction)
0.02mg/m3(Mn;Respirable Fraction)

OSHA Z-Tables(USA):ceiling 5mg/m3

Safe Work Australia-TWA: 1mg/m3

Personal Protective Equipment

Not required under normal conditions. For use other than in normal operating procedures (such as in the event of large spill), goggles and respirators may be required.

Hygiene Measures: Wash hands after handling.