

Safety Data Sheet

SDS # : B-2036

Developer- Black/Cyan/Magenta/Yellow

Issuing Date 2009-04-23

Revision Date 2015-05-19

Version 1

Active

1. Product and Company Identification

Trade Name **Developer** **DocuColor 7002, DocuColor 8002, DocuColor 8080**

Part no. 005R00737, 005R00738, 005R00739, 005R00740, 502S68416

Color	Black, Cyan , Magenta, Yellow
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, Cyan , Magenta, Yellow	Powder	Solid	Faint

Classification of the substance or mixture

Label elements

Hazard Statements	H200 - Unstable explosive H202 - Explosive; severe projection hazard H204 - Fire or projection hazard
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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	
Chronic toxicity	No known effects under normal use conditions. Repeated or prolonged inhalation may cause irritation of the respiratory tract as can occur with the inhalation of any non- toxic dust. Minimum respiratory or eye irritation may occur as with exposure to large amounts of any non-toxic dust

Main symptoms

Overexposure may cause:

mild respiratory irritation similar to nuisance dust.

Aggravated medical conditions

None under normal use conditions

Environmental hazard

See Section 12 for additional Ecological Information.

3. Composition/Information on Ingredients

Product Description

This formulation represents multiple colors and the component list includes multiple pigments. The actual toner formulation for each color will differ only in the pigment used.

Chemical Name	CAS-No	Weight %
Ferrite	66402-68-4	85-95
Lex resin	39392-25-7	5-15
Yellow Pigment	77804-81-0	0-10
Cyan pigment	147-14-8	0-10
Magenta Pigment	980-26-7	0-10
Carbon Black	1333-86-4	0-10

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

Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard

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.

Consumer Use	Flammability	Bulk packages	Health Hazard	Flammability
	1		0	3
Stability	Special hazard			
0	None			

6. Accidental Release Measures

Personal Precautions	Avoid breathing dust
Environmental Precautions	Refer to protective measures listed in Sections 7 and 8
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 approved industrial vacuum cleaner for removal. 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 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 conditions
Industrial User	Do not eat, drink or smoke when using this product. Wash hands before eating, drinking, chewing gum, using tobacco, or using toilet Wash hands before breaks and at the end of workday Provide regular cleaning of equipment, work area and clothing.

8. Exposure Controls/Personal Protection

Exposure guidelines

Product information

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

Industrial use Avoid dust formation. Ensure all equipment is electrically grounded before beginning transfer operations. Provide appropriate exhaust ventilation at places where dust is formed.

Personal Protective Equipment

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

Industrial use In case of insufficient ventilation: Wear protective eyewear (goggles) Effective dust mask

9. Physical and Chemical Properties

<p>Appearance Powder</p> <p>Odor threshold Not applicable</p> <p>pH Not applicable</p> <p>Flash point Not applicable</p> <p>Autoignition temperature Not applicable</p> <p>Flammability Limits in Air Not applicable</p> <p>Explosive properties Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard</p> <p>Vapor pressure Not applicable</p> <p>Vapor density Not applicable</p> <p>Water solubility Negligible</p> <p>Viscosity Not applicable</p> <p>Partition coefficient Not applicable</p> <p>Evaporation rate Not applicable</p> <p>Melting point/range Not determined</p> <p>Freezing point Not applicable</p> <p>Decomposition temperature Not determined</p> <p>Specific gravity ~ 1 (toner component) ~ 5 (carrier component)</p>	<p>Odor Faint</p> <p>Physical state Solid</p> <p>Color Black, Cyan , Magenta, Yellow</p> <p>Boiling point/range Not applicable</p>
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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	> g/kg (rat)
LD50 Dermal	> g/kg (rabbit)
LC50 Inhalation:	> 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. Repeated or prolonged inhalation may cause irritation of the respiratory tract as can occur with the inhalation of any non-toxic dust. Minimum respiratory or eye irritation may occur as with exposure to large amounts of any non-toxic dust.
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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

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 2009-04-23
Revision Date 2015-05-19
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.

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