

SAFETY DATA SHEET

Toner Powder (Cartridge) for

C532 series

C650 series

C823 series

C833 series

C843 series

C844 series

MC573 series

ES5473/ES8433/ES8443

OKI DATA CORPORATION

SAFETY DATA SHEET**SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION****PRODUCT IDENTIFIER**

PRODUCT NAME: Black toner powder (cartridge) for
 C532 series
 C650 series
 C823 series
 C833 series
 C843 series
 C844 series
 MC573 series
 ES5473 /ES8433/ES8443
 (Toner powder name: ODK-11-TH)

PRODUCT CASRN: Mixture

PRODUCT DESCRIPTION: Black Toner

RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST MATERIAL USES: For electrophotographic printing systems

DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

MANUFACTURER: OKI Data Corporation
 3-1 Futaba-cho, Takasaki-shi, Gunma. 370-8585 Japan
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SUPPLIER: Oki Data Americas, Inc.
 8505 Freeport Pkwy, Suite 600 Irving, TX 75063, USA
 Tel. 1-856-235-2600

EMERGENCY TELEPHONE NUMBER: Tel. 1-856-235-2600

SECTION 2: HAZARD(S) IDENTIFICATION**PRODUCT CLASSIFICATION per 29 CFR 1910.1200**

HAZARD CLASSIFICATION	This product does not satisfy any of the criteria for a hazardous material per the guidelines established by the United Nations (Globally Harmonized System of Classification and Labelling of Chemicals) as specified in 29 CFR 1910.1200 Hazard Communication (2012).
SIGNAL WORD	Not Applicable
HAZARD STATEMENTS	Not Applicable

RECOMMENDED SAFETY PRECAUTIONS

INJURY PREVENTION	Take all precautions to prevent dispersion of this product in air. Eliminate all sources of ignition. Take precautionary measures against static discharge. Good industrial hygiene practices should be followed when handling this material. Avoid contact with eyes and skin. Do not breathe dusts of this material. Wash thoroughly after handling.
EMERGENCY RESPONSE	IF IN EYES: rinse cautiously with water for 15 minutes. Remove contact lens, if present and easy to do. Continue rinsing. Seek medical attention if necessary IF ON SKIN: gently wash with plenty of soap and water.

SAFETY DATA SHEET

	Call a POISON CONTROL CENTER or doctor if symptoms develop or you feel unwell.
PRODUCT STORAGE	Protect from sun. Store in a well-ventilated room (under 40°C). Guard against accumulations of this material on surfaces.
PRODUCT DISPOSAL	Eliminate all sources of ignition. DISPOSE of product and containers in accordance with all applicable local, state, federal, and international regulations.

HAZARDS NOT OTHERWISE CLASSIFIED

PYROPHORIC GASES	Not applicable
SIMPLE ASPHYXIANTS	Not applicable
COMBUSTIBLE DUST	Product has not been tested for combustibility. However, as similar products are known to be combustible, the potential for this material to combust is a real hazard. All precautions should be taken when handling this product to avoid dispersion of the material in air.

Dust Classification	Minimum Ignition Energy (mJ)	Pmax (bar-g)	Rmax (bar/s)	Kst (bar-m/s)	Explosion Severity
Unknown (material has not been tested for combustibility)					

Definitions for dust classifications are found in OSHA Instruction CPL 03-00-008 *Combustible Dust National Emphasis Program (reissued)* March 11, 2008, Appendix E, Section 5

Other Known Hazards | None

FOR INFORMATION REGARDING ENVIRONMENTAL GHS CLASSIFICATION, REFER TO SECTION 12 BELOW

SECTION 3: COMPOSITION/INFORMATION on INGREDIENTS

Substance/mixture: Chemical Name	Mixture Common Name	CAS Number	Concentration (%)
Confidential	Polyester resin	Confidential	Confidential
Carbon black	Carbon black	1333-86-4	1 - 10
Confidential	Waxes	Confidential	1 - 5
Confidential	Silica	Confidential	1 - 5
Other components	-	Confidential	-

SECTION 4: FIRST-AID MEASURES

EYES	Immediately flush eyes with plenty of water for at least 15 minutes. If necessary, seek medical attention.
SKIN	For skin contact, wash immediately with soap and water. If necessary, seek medical attention.
INGESTION	If the material is swallowed, get immediate medical attention or advice.
INHALATION	Call a physician if symptoms develop or persist.
SYMPTOMS of EXPOSURE	None known.
NOTES to PHYSICIAN	Provide general supportive measures and treat symptomatically.

SAFETY DATA SHEET

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE PROPERTIES	Refer to SECTION 9: Physical and Chemical Properties
HAZARDOUS PRODUCTS of COMBUSTION	
PROPERTIES THAT COULD INCREASE FIRE or EXPLOSION HAZARD	Dusts at sufficient concentrations can form explosive mixtures with air.
EXTINGUISHING MEDIA	Water spray or powder
FIRE-FIGHTING INSTRUCTIONS	Firefighters should wear full protective clothing including self contained breathing apparatus.

NFPA ratings are found in SECTION 16

SECTION 6: ACCIDENTAL RELEASE MEASURES

RESPONSE TO SMALL SPILLS OF PRODUCT

SPILL CONTAINMENT	Containment of this material should not be necessary.
SPILL CLEANUP PROCEDURES	Vacuum up the spilled material.
REQUIRED EQUIPMENT	Vacuum or sweep up material and place in a disposal container.
ADDITIONAL INFORMATION	No other spill procedures necessary.

RESPONSE TO LARGE SPILLS OF PRODUCT

SPILL CONTAINMENT	Stop the flow of material, if this is without risk. Contain the discharged material. Remove sources of ignition.
SPILL CLEANUP PROCEDURES	Avoid the generation of dusts during clean-up. Use water mist on the spilled material to wet surfaces and prevent dusting. Vacuum or sweep up material and place in a disposal container. Put material in suitable, covered, labeled containers.
REQUIRED EQUIPMENT	Any equipment which presents a risk of accumulating static electricity should be properly grounded/bonded when used in the clean-up of this material. Wear appropriate protective equipment and clothing during clean-up.
ADDITIONAL INFORMATION	No other spill procedures necessary.

SECTION 7: HANDLING AND STORAGE

HANDLING REQUIREMENTS	<p>DUE TO THE POTENTIAL FOR COMBUSTIBLE DUST EXPLOSION, avoid conditions which may result in formation of a dust cloud. Implement best housekeeping practices to prevent accumulation of this product on surfaces. Do not use compressed air or nitrogen to remove material accumulations from surfaces.</p> <p>Equipment used to remove accumulated product should be protected against static ignition. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Avoid getting this material into contact with your skin and eyes. Do not breathe fumes or dust from this material. Wash thoroughly after handling.</p>
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SAFETY DATA SHEET

STORAGE REQUIREMENTS

Store in a cool, dry, well-ventilated area.
This material can accumulate static charge which may cause spark and become an ignition source.
Guard against dust accumulation of this material.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits. Prevent electrostatic charge build-up by using common bonding and grounding techniques.

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION

Wear dust goggles.

HAND PROTECTION

Use impervious gloves.

SKIN PROTECTION

Normal work clothing (long sleeved shirts and long pants) is recommended.

RESPIRATORY PROTECTION

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever there may be potential for airborne exposure.

EXPOSURE LIMITS

CHEMICAL	CASRN	PERCENT	LIMITS	AGENCY
Carbon black	1333-86-4	1 - 10	3.5 mg/m ³ TWA	OSHA
Particulates not otherwise regulated	-	-	15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)	OSHA
Silica, amorphous Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, hydrolysis products with silica	7631-86-9	1 - 5	20 mppcf TWA; ((80)/(% SiO ₂)) mg/m ³ TWA)	OSHA
Carbon black	1333-86-4	1 - 10	3.0 mg/m ³ TWA	ACGIH
Paraffin wax	8002-74-2	1 - 5	2 mg/m ³ TWA (fume)	ACGIH
Particles (insoluble or poorly soluble) Not Otherwise Specified (PNOS)	-	-	10 mg/m ³ TWA (inhalable particles, recommended); 3 mg/m ³ TWA (respirable particles, recommended)	ACGIH

SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

APPEARANCE @ 20°C

Black Powder

ODOR THRESHOLD

No data available

VAPOR DENSITY

No data available

EVAPORATION RATE

No data available

MELTING POINT (°C)

No data available

INITIAL BOILING

No data available

POINT (°C)

No data available

PARTITION

No data available

COEFFICIENT (N-

OCTANOL/WATER)

No data available

ODOR

No odor

pH

No data available

VAPOR PRESSURE

No data available

RELATIVE DENSITY

1.2g/mL @ 20°C

WATER SOLUBILITY

Insoluble in water

BOILING RANGE (°C)

No data available

VISCOSITY

No data available

SAFETY DATA SHEET

DECOMPOSITION TEMPERATURE	No data available	FLAMMABILITY CLASSIFICATION	Not evaluated
FLASH POINT (°C)	Not applicable	AUTO-IGNITION TEMPERATURE	No data available
UPPER EXPLOSIVE LIMIT	No data available	LOWER EXPLOSIVE LIMIT	No data available

SECTION 10: STABILITY and REACTIVITY

CHEMICAL STABILITY	Stable under normal conditions.
CONDITIONS to AVOID	Avoid ignition sources where dust is produced.
INCOMPATIBLE MATERIALS (Reactivity)	None known.
INCOMPATIBLE MATERIALS (Storage & Transport)	No information available.
HAZARDOUS DECOMPOSITION PRODUCTS	None known.
HAZARDOUS POLYMERIZATION	Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE EFFECTS

EYE EFFECTS	Dust or powder may irritate eye tissue.
SKIN EFFECTS	Not expected to be a primary skin irritant.
ACUTE ORAL EFFECTS (INGESTION)	Low toxicity.
ACUTE INHALATION EFFECTS	Dusts of this product may cause irritation of the nose, throat, and respiratory tract.
TARGET ORGANS	No known effects.

CHRONIC EFFECTS

MUTAGENICITY	Ames Test (TA98, TA100, TA1535, TA1537, TA1538, WP2uvrA): Negative
TERATOLOGY	No data available for this product.
REPRODUCTIVE and DEVELOPMENTAL TOXICITY	No information available.

CARCINOGENICITY

CHEMICAL NAME	DATA	AGENCY	LIST
Carbon black	Monograph 93 [2010]; Monograph 65 [1996]	IARC	Group 2B Classifiable Carcinogens
Silica, amorphous	Monograph 68 [1997]; Supplement 7 [1987]	IARC	Group 3 Not Classifiable as Carcinogens
Carbon black	Present	OSHA	Select Carcinogens
Carbon black	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans	ACGIH	Threshold Limit Values – Carcinogens

None of the components of this product are listed on the NTP Known or Suspected Carcinogens List.

SAFETY DATA SHEET

LETHAL DOSE (LD50 & LC50) DATA

LD50 ORAL	LD50 Oral Rat > 2000 mg/Kg
LD50 DERMAL	No information available 4% of the mixture consists of ingredients of unknown toxicity.
LC50 INHALATION	LC50 Inhalation Rat > 5.07mg/L/4 hour (nose only)
MEDICAL CONDITIONS AGGRAVATED by EXPOSURE ROUTES of ENTRY	Inhalation of this product may aggravate existing conditions of the respiratory system such as asthma or bronchitis Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation.
OTHER TOXICOLOGICAL INFORMATION	SKIN CORROSION/IRRITATION: Rabbit, undiluted, 4 hours semi-occluded application test (OECD 404): Not classified, P.C.I. =0 SERIOUS EYE DAMAGE/IRRITATION: Rabbit, undiluted, OCED405: not classified, I.A.O.I. = 0.7 SKIN SENSITIZATION: Local Lymph Node Assay (LLNA, OECD429): negative

SECTION 12: ECOLOGICAL INFORMATION

UN GHS AQUATIC TOXICITY CLASSIFICATION INFORMATION

AQUATIC TOXICITY CLASSIFICATION	Not classified as hazardous to aquatic environment
SIGNAL WORD	Not applicable
HAZARD PICTOGRAM	Not applicable
HAZARD STATEMENT	Not applicable
PREVENTION	Not applicable
RESPONSE	Not applicable
DISPOSAL	Not applicable

ADDITIONAL ENVIRONMENTAL INFORMATION

AQUATIC TOXICITY (fish)	No information available
AQUATIC TOXICITY (crustacean)	No information available
AQUATIC TOXICITY (algae)	No information available
ECOTOX. INFORMATION	None determined
ENVIRONMENTAL FATE	No data available for this product.
BIOLOGICAL OXYGEN DEMAND (BOD5), g/g	No data available
CHEMICAL OXYGEN DEMAND (COD), g/g	No data available
PERSISTENCE & DEGRADABILITY	No information available.
BIOACCUMULATION	No information available

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DESCRIPTION	Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.
GENERAL DISPOSAL CONSIDERATIONS	Clean up and dispose of waste in accordance with all federal, state, and local environmental regulations.

SAFETY DATA SHEET

DISPOSAL of EMPTY CONTAINERS | Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

RCRA COMPONENT	CASRN	DATA
No limits established for this product.		

SECTION 14: TRANSPORT INFORMATION

	US DOT	IATA	IMDG
UN NUMBER	Not applicable	Not applicable	Not applicable
UN PROPER SHIPPING NAME	Non-hazardous material	Non-hazardous material	Non-hazardous material
TRANSPORT HAZARD CLASS(ES)	Not applicable	Not applicable	Not applicable
PACKING GROUP	Not applicable	Not applicable	Not applicable
REPORTABLE QUANTITY (RQ)	No reportable quantity for this product		
EMERGENCY RESPONSE	Not applicable		
GUIDEBOOK (ERG) REFERENCE			
MARINE POLLUTANT	None		

SECTION 15: REGULATORY INFORMATION

TOXIC SUBSTANCES CONTROL ACT (TSCA)	This product is listed on the U.S. EPA TSCA Inventory.
EXPORT NOTIFICATIONS	This product is not subject to TSCA 12B Export Notification requirements.
SIGNIFICANT NEW USE RULE (SNUR)	This material is not subject to a Significant New Use Rule under the US Toxic Substances Control Act.

INTERNATIONAL CHEMICAL INVENTORIES

All of the components of this product are listed on the following inventories:

Inventory	Country	Yes/No	Notes
DSL	Canada	No	
NDSL	Canada	No	
ENCS	Japan	Yes	
EINECS	Europe	No	
ELINCS	Europe	Yes	
IECSC	China	Yes	Simplified Notification (polymer)
PICCS	Philippines	No	
ECL	Korea	Yes	Exemption for Examination
AICS	Australia	Yes	
TCSI	Taiwan	Yes	

EMERGENCY PLANNING and COMMUNITY RIGHT TO KNOW ACT (EPCRA)
40 CFR PART 355, APPENDIX A

EHS COMPONENTS	CASRN	PERCENT	TPQ POUNDS and RQ
No limits established for this product.			

313 COMPONENTS	CASRN	PERCENT	REPORTING LIMIT
No limits established for this product.			

SAFETY DATA SHEET

CERCLA/SARA COMPONENTS	CASRN	PERCENT	REPORTING LIMIT
No limits established for this product.			

EPCRA SECTION 311/312 CLASSIFICATION	ACUTE	No
	CHRONIC	No
	FIRE	No
	PRESSURE	No
	REACTIVE	No

OTHER FEDERAL REGULATIONS

The following components are identified under the Clean Air Act HON-Rule for SOCMIs chemicals:

COMPONENT NAME	CASRN
No regulated components	

The following components are identified under the Clean Air Act (VOCs in SOCMIs chemicals):

COMPONENT NAME	CASRN
No regulated components	

The following components are identified under the Clean Air Act as Hazardous Air Pollutants (HAP)

COMPONENT NAME	CASRN
No regulated components	

The following components are identified under the Clean Air Act HON-Rule Hazardous Air Pollutants (HAP)

COMPONENT NAME	CASRN
No regulated components	

The following components are identified under the Clean Water Act:

COMPONENT NAME	CASRN	LIST NAME
No limits established for this product.		

STATE RIGHT-TO-KNOW INFORMATION:

COMPONENT NAME	CASRN	STATE	List Name
Carbon black	1333-86-4	Massachusetts	Right-to-Know List
Paraffin wax	8002-74-2	Massachusetts	Right-to-Know List
Carbon black	1333-86-4	New Jersey	Special Hazardous Substance List
Carbon black	1333-86-4	New Jersey	Right-to-Know List
Paraffin wax	8002-74-2	New Jersey	Right-to-Know List
Carbon black	1333-86-4	Pennsylvania	Right-to-Know List
Paraffin waxes and Hydrocarbon waxes	8002-74-2	Pennsylvania	Right-to-Know List
Coal soot	1333-86-4	Pennsylvania	RTK Special Hazardous Substance Name

If the STATE RIGHT-TO-KNOW INFORMATION table above is empty than none of the components of this product are included on the state right-to-know regulatory lists for Florida, Massachusetts, Michigan, Pennsylvania, or New Jersey.

CALIFORNIA SAFE DRINKING WATER and TOXIC ENFORCEMENT ACT of 1986 (Proposition 65)

SAFETY DATA SHEET

COMPONENT NAME	CASRN	CONCENTRATION †	LIST DATA
Carbon black	1333-86-4	1 - 10	carcinogen, 2/21/03 (airborne, unbound particles of respirable size)

† CONCENTRATIONS EXPRESSED IN % UNLESS UNITS ARE SPECIFIED

SECTION 16: OTHER INFORMATION

To the best of the manufacturer's knowledge, the information contained herein is accurate. However, neither the manufacturer, nor any of its affiliates, make any representations or warranties (expressed or implied), nor assumes any liability (including liability for any direct, incidental, consequential, or other damages) with respect to the accuracy or completeness of the information contained herein. Such information may be (without limitation) invalid if the specified material is used in combination with another, in a particular process, or under unusual conditions. Determination of suitability of any material for any given purpose is the sole responsibility of the user who assumes all risk and responsibility therefore. All materials may present unknown hazards and should be used with appropriate caution. The manufacturer cannot and does not guarantee that the hazards described herein are the only ones that exist.

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD RATINGS

HEALTH	1
FLAMMABILITY	2
REACTIVITY	0

Hazardous Material Identification System (HMIS) Hazard Ratings

HEALTH	1
FLAMMABILITY	2
REACTIVITY	0
PERSONAL PROTECTION	D

The following components of this product are listed on the Canadian WHMIS Ingredient Disclosure List (IDL):

COMPONENT	CASRN	PERCENT	MINIMUM CONCENTRATION
Carbon black	1333-86-4	1 - 10	1 %

SAFETY DATA SHEET**SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION****PRODUCT IDENTIFIER**

Product name: Yellow toner powder (cartridge) for
C532 series
C650 series
C823 series
C833 series
C843 series
C844 series
MC573 series
ES5473 /ES8433/ES8443
(Toner powder name: ODY-11-NH)

PRODUCT CASRN: Mixture

Product description: Yellow Toner

RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST MATERIAL USES: For electrophotographic printing systems

DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

MANUFACTURER: OKI Data Corporation
3-1 Futaba-cho, Takasaki-shi, Gunma. 370-8585 Japan
Tel: +81 27-328-6366 Fax: +81-27-328-6398

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Tel. 1-856-235-2600

EMERGENCY TELEPHONE NUMBER: Tel. 1-856-235-2600

SECTION 2: HAZARD(S) IDENTIFICATION**PRODUCT CLASSIFICATION per 29 CFR 1910.1200**

HAZARD CLASSIFICATION	This product does not satisfy any of the criteria for a hazardous material per the guidelines established by the United Nations (Globally Harmonized System of Classification and Labelling of Chemicals) as specified in 29 CFR 1910.1200 Hazard Communication (2012).
SIGNAL WORD	Not Applicable
HAZARD STATEMENTS	Not Applicable

RECOMMENDED SAFETY PRECAUTIONS

INJURY PREVENTION	Take all precautions to prevent dispersion of this product in air. Eliminate all sources of ignition. Take precautionary measures against static discharge. Good industrial hygiene practices should be followed when handling this material. Avoid contact with eyes and skin. Do not breathe dusts of this material. Wash thoroughly after handling.
EMERGENCY RESPONSE	IF IN EYES: rinse cautiously with water for 15 minutes. Remove contact lens, if present and easy to do. Continue rinsing. Seek medical attention if necessary IF ON SKIN: gently wash with plenty of soap and water.
PRODUCT STORAGE	Call a POISON CONTROL CENTER or doctor if symptoms develop or you feel unwell. Protect from sun. Store in a well-ventilated room (under 40°C).

SAFETY DATA SHEET

PRODUCT DISPOSAL	Guard against accumulations of this material on surfaces. Eliminate all sources of ignition. DISPOSE of product and containers in accordance with all applicable local, state, federal, and international regulations.
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HAZARDS NOT OTHERWISE CLASSIFIED

PYROPHORIC GASES	Not applicable				
SIMPLE ASPHYXIANTS	Not applicable				
COMBUSTIBLE DUST	Product has not been tested for combustibility. However, as similar products are known to be combustible, the potential for this material to combust is a real hazard. All precautions should be taken when handling this product to avoid dispersion of the material in air.				
Dust Classification	Minimum Ignition Energy (mJ)	Pmax (bar-g)	Rmax (bar/s)	Kst (bar-m/s)	Explosion Severity
Unknown (material has not been tested for combustibility)					

Definitions for dust classifications are found in OSHA Instruction CPL 03-00-008 *Combustible Dust National Emphasis Program (reissued)* March 11, 2008, Appendix E, Section 5

Other Known Hazards | None

FOR INFORMATION REGARDING ENVIRONMENTAL GHS CLASSIFICATION, REFER TO SECTION 12 BELOW

SECTION 3: COMPOSITION/INFORMATION on INGREDIENTS

Substance/mixture:	Mixture		
Chemical Name	Common Name	CAS Number	Concentration (%)
Confidential	Polyester resin	Confidential	Confidential
Confidential	Wax	Confidential	1 - 5
Confidential	Silica	Confidential	1 - 5
Confidential	Pigment	Confidential	Confidential
Confidential	Other components	Confidential	-

SECTION 4: FIRST-AID MEASURES

EYES	Immediately flush eyes with plenty of water for at least 15 minutes. If necessary, seek medical attention.
SKIN	For skin contact, wash immediately with soap and water. If necessary, seek medical attention.
INGESTION	If the material is swallowed, get immediate medical attention or advice.
INHALATION	Call a physician if symptoms develop or persist.
SYMPTOMS of EXPOSURE	None known.
NOTES to PHYSICIAN	Provide general supportive measures and treat symptomatically.

SAFETY DATA SHEET

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE PROPERTIES	Refer to SECTION 9: Physical and Chemical Properties
HAZARDOUS PRODUCTS of COMBUSTION	
PROPERTIES THAT COULD INCREASE FIRE or EXPLOSION HAZARD	
EXTINGUISHING MEDIA	
FIRE-FIGHTING INSTRUCTIONS	<p>Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.</p> <p>Dusts at sufficient concentrations can form explosive mixtures with air.</p> <p>Water spray or powder</p> <p>Firefighters should wear full protective clothing including self contained breathing apparatus.</p>

NFPA ratings are found in SECTION 16

SECTION 6: ACCIDENTAL RELEASE MEASURES

RESPONSE TO SMALL SPILLS OF PRODUCT

SPILL CONTAINMENT	Containment of this material should not be necessary.
SPILL CLEANUP PROCEDURES	
REQUIRED EQUIPMENT	
ADDITIONAL INFORMATION	

RESPONSE TO LARGE SPILLS OF PRODUCT

SPILL CONTAINMENT	<p>Stop the flow of material, if this is without risk. Contain the discharged material. Remove sources of ignition.</p> <p>Vacuum or sweep up material and place in a disposal container. Avoid the generation of dusts during clean-up. Dispose of spent absorbent in an approved industrial waste landfill.</p> <p>Any equipment which presents a risk of accumulating static electricity should be properly grounded/bonded when used in the clean-up of this material. Wear appropriate protective equipment and clothing during clean-up.</p> <p>No other spill procedures necessary.</p>
SPILL CLEANUP PROCEDURES	
REQUIRED EQUIPMENT	
ADDITIONAL INFORMATION	

SECTION 7: HANDLING AND STORAGE

HANDLING REQUIREMENTS	<p>DUE TO THE POTENTIAL FOR COMBUSTIBLE DUST EXPLOSION, avoid conditions which may result in formation of a dust cloud. Implement best housekeeping practices to prevent accumulation of this product on surfaces. Do not use compressed air or nitrogen to remove material accumulations from surfaces. Equipment used to remove accumulated product should be protected against static ignition. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Avoid getting this material into contact with your skin and eyes. Do not breathe fumes or dust from this material. Wash thoroughly after handling.</p>
STORAGE REQUIREMENTS	

SAFETY DATA SHEET

Guard against dust accumulation of this material.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits. Prevent electrostatic charge build-up by using common bonding and grounding techniques.

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION

Wear dust goggles.

HAND PROTECTION

Use impervious gloves.

SKIN PROTECTION

Normal work clothing (long sleeved shirts and long pants) is recommended.

RESPIRATORY PROTECTION

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever there may be potential for airborne exposure.

EXPOSURE LIMITS

CHEMICAL	CASRN	PERCENT	LIMITS	AGENCY
Particulates not otherwise regulated	-	-	15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)	OSHA
Silica, amorphous Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, hydrolysis products with silica	7631-86-9	1 - 5	20 mppcf TWA; ((80)/(% SiO ₂) mg/m ³ TWA)	OSHA
Paraffin wax	8002-74-2	1 - 5	2 mg/m ³ TWA (fume)	ACGIH
Particles (insoluble or poorly soluble) Not Otherwise Specified (PNOS)	-	-	10 mg/m ³ TWA (inhalable particles, recommended); 3 mg/m ³ TWA (respirable particles, recommended)	ACGIH

SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

APPEARANCE @ 20°C

Yellow powder

ODOR THRESHOLD

No data available

VAPOR DENSITY

No data available

EVAPORATION RATE

No data available

MELTING POINT (°C)

No data available

INITIAL BOILING POINT (°C)

No data available

PARTITION COEFFICIENT (N-OCTANOL/WATER)

No data available

DECOMPOSITION TEMPERATURE

No data available

FLASH POINT (°C)

Not applicable

ODOR

No odor

pH

No data available

VAPOR PRESSURE

No data available

RELATIVE DENSITY

1.2g/mL @ 20°C

WATER SOLUBILITY

Insoluble in water

BOILING RANGE (°C)

No data available

VISCOSITY

No data available

FLAMMABILITY CLASSIFICATION

Not evaluated

AUTO-IGNITION TEMPERATURE

No data available

SAFETY DATA SHEET

UPPER EXPLOSIVE
LIMIT

No data available

LOWER EXPLOSIVE
LIMIT

No data available

SECTION 10: STABILITY and REACTIVITY

CHEMICAL STABILITY	Stable under normal conditions.
CONDITIONS to AVOID	Avoid ignition sources where dust is produced.
INCOMPATIBLE MATERIALS (Reactivity)	None known.
INCOMPATIBLE MATERIALS (Storage & Transport)	No information available.
HAZARDOUS DECOMPOSITION PRODUCTS	None known.
HAZARDOUS POLYMERIZATION	Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE EFFECTS

EYE EFFECTS	Dust or powder may irritate eye tissue.
SKIN EFFECTS	Not expected to be a primary skin irritant.
ACUTE ORAL EFFECTS (INGESTION)	Not a likely route of entry.
ACUTE INHALATION EFFECTS	Dusts of this product may cause irritation of the nose, throat, and respiratory tract.
TARGET ORGANS	No known effects.

CHRONIC EFFECTS

MUTAGENICITY	Ames Test (TA98, TA100, TA1535, TA1537, TA1538, WP2uvrA): Negative
TERATOLOGY	No data available for this product.
REPRODUCTIVE and DEVELOPMENTAL TOXICITY	No information available.

CARCINOGENICITY

CHEMICAL NAME	DATA	AGENCY	LIST
Silica, amorphous	Monograph 68 [1997]; Supplement 7 [1987]	IARC	Group 3 Not Classifiable as Carcinogens

None of the components of this product are listed on the OSHA Possible or Select Carcinogens Lists.
None of the components of this product are listed on the ACGIH Carcinogens List.
None of the components of this product are listed on the NTP Known or Suspected Carcinogens List.

LETHAL DOSE (LD50 & LC50) DATA

LD50 ORAL	LD50 Oral Rat > 2000mg/Kg
LD50 DERMAL	No information available
LC50 INHALATION	12% of the mixture consists of ingredients of unknown toxicity. LC50 Inhalation Rat > 5.07 mg/L/4 hour (nose only)

SAFETY DATA SHEET

<p>MEDICAL CONDITIONS AGGRAVATED by EXPOSURE ROUTES of ENTRY</p> <p>OTHER TOXICOLOGICAL INFORMATION</p>	<p>Inhalation of this product may aggravate existing conditions of the respiratory system such as asthma or bronchitis Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation.</p> <p>SKIN CORROSION/IRRITATION: Rabbit, undiluted, 4 hours semi-occluded application test (OECD 404): Not classified, P.C.I. =0 SERIOUS EYE DAMAGE/IRRITATION: Rabbit, undiluted, OCED405: not classified, I.A.O.I. = 2.0 SKIN SENSITIZATION: Local Lymph Node Assay (LLNA, OECD429): negative</p>
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SECTION 12: ECOLOGICAL INFORMATION

UN GHS AQUATIC TOXICITY CLASSIFICATION INFORMATION

<p>AQUATIC TOXICITY CLASSIFICATION</p> <p>SIGNAL WORD</p> <p>HAZARD PICTOGRAM</p> <p>HAZARD STATEMENT</p> <p>PREVENTION</p> <p>RESPONSE</p> <p>DISPOSAL</p>	<p>Not classified as hazardous to aquatic environment</p> <p>Not applicable</p> <p>Not applicable</p> <p>Not applicable</p> <p>Not applicable</p> <p>Not applicable</p> <p>Not applicable</p>
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ADDITIONAL ENVIRONMENTAL INFORMATION

<p>AQUATIC TOXICITY (fish)</p> <p>AQUATIC TOXICITY (crustacean)</p> <p>AQUATIC TOXICITY (algae)</p> <p>ECOTOX. INFORMATION</p> <p>ENVIRONMENTAL FATE</p> <p>BIOLOGICAL OXYGEN DEMAND (BOD5), g/g</p> <p>CHEMICAL OXYGEN DEMAND (COD), g/g</p> <p>PERSISTENCE & DEGRADABILITY</p> <p>BIOACCUMULATION</p>	<p>No information available</p> <p>48 hr EC50 daphnia magna > 100 mg/L (data on similar product)</p> <p>No information available</p> <p>None determined</p> <p>No data available for this product.</p> <p>No data available</p> <p>No data available</p> <p>No information available.</p> <p>No information available</p>
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SECTION 13: DISPOSAL CONSIDERATIONS

<p>WASTE DESCRIPTION</p> <p>GENERAL DISPOSAL CONSIDERATIONS</p> <p>DISPOSAL of EMPTY CONTAINERS</p>	<p>Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes. Clean up and dispose of waste in accordance with all federal, state, and local environmental regulations. Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.</p>
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RCRA COMPONENT	CASRN	DATA
No limits established for this product.		

SAFETY DATA SHEET

SECTION 14: TRANSPORT INFORMATION

	US DOT	IATA	IMDG
UN NUMBER	Not applicable	Not applicable	Not applicable
UN PROPER SHIPPING NAME	Non-hazardous material	Non-hazardous material	Non-hazardous material
TRANSPORT HAZARD CLASS(ES)	Not applicable	Not applicable	Not applicable
PACKING GROUP	Not applicable	Not applicable	Not applicable
REPORTABLE QUANTITY (RQ)	No reportable quantity for this product		
EMERGENCY RESPONSE	Not applicable		
GUIDEBOOK (ERG) REFERENCE			
MARINE POLLUTANT	None		

SECTION 15: REGULATORY INFORMATION

TOXIC SUBSTANCES CONTROL ACT (TSCA)	This product is listed on the U.S. EPA TSCA Inventory.
EXPORT NOTIFICATIONS	This product is not subject to TSCA 12B Export Notification requirements.
SIGNIFICANT NEW USE RULE (SNUR)	This material is not subject to a Significant New Use Rule under the US Toxic Substances Control Act.

INTERNATIONAL CHEMICAL INVENTORIES

All of the components of this product are listed on the following inventories:

DSL	Canada	No	
NDSL	Canada	No	
ENCS	Japan	Yes	
EINECS	Europe	No	
ELINCS	Europe	Yes	
IECSC	China	Yes	Simplified Notification (polymer)
PICCS	Philippines	No	
ECL	Korea	Yes	Exemption for Examination
AICS	Australia	Yes	
TCSI	Taiwan	Yes	

EMERGENCY PLANNING and COMMUNITY RIGHT TO KNOW ACT (EPCRA)
40 CFR PART 355, APPENDIX A

EHS COMPONENTS	CASRN	PERCENT	TPQ POUNDS and RQ
No limits established for this product.			
313 COMPONENTS	CASRN	PERCENT	REPORTING LIMIT
No limits established for this product.			
CERCLA/SARA COMPONENTS	CASRN	PERCENT	REPORTING LIMIT
No limits established for this product.			

SAFETY DATA SHEET

EPCRA SECTION 311/312 CLASSIFICATION	ACUTE	No
	CHRONIC	No
	FIRE	No
	PRESSURE	No
	REACTIVE	No

OTHER FEDERAL REGULATIONS

The following components are identified under the Clean Air Act HON-Rule for SOCMIs chemicals:

COMPONENT NAME	CASRN
No regulated components	

The following components are identified under the Clean Air Act (VOCs in SOCMIs chemicals):

COMPONENT NAME	CASRN
No regulated components	

The following components are identified under the Clean Air Act as Hazardous Air Pollutants (HAP)

COMPONENT NAME	CASRN
No regulated components	

The following components are identified under the Clean Air Act HON-Rule Hazardous Air Pollutants (HAP)

COMPONENT NAME	CASRN
No regulated components	

The following components are identified under the Clean Water Act:

COMPONENT NAME	CASRN	LIST NAME
No limits established for this product.		

STATE RIGHT-TO-KNOW INFORMATION:

COMPONENT NAME	CASRN	STATE	List Name
Paraffin wax	8002-74-2	Massachusetts	Right-to-Know List
Paraffin wax	8002-74-2	New Jersey	Right-to-Know List
Paraffin waxes and Hydrocarbon waxes	8002-74-2	Pennsylvania	Right-to-Know List

If the STATE RIGHT-TO-KNOW INFORMATION table above is empty than none of the components of this product are included on the state right-to-know regulatory lists for Florida, Massachusetts, Michigan, Pennsylvania, or New Jersey.

CALIFORNIA SAFE DRINKING WATER and TOXIC ENFORCEMENT ACT of 1986 (Proposition 65)

COMPONENT NAME	CASRN	CONCENTRATION †	LIST DATA
This product contains no components which are listed on California's Proposition 65 lists.			

† CONCENTRATIONS EXPRESSED IN % UNLESS UNITS ARE SPECIFIED

SAFETY DATA SHEET

SECTION 16: OTHER INFORMATION

To the best of the manufacturer's knowledge, the information contained herein is accurate. However, neither the manufacturer, nor any of its affiliates, make any representations or warranties (expressed or implied), nor assumes any liability (including liability for any direct, incidental, consequential, or other damages) with respect to the accuracy or completeness of the information contained herein. Such information may be (without limitation) invalid if the specified material is used in combination with another, in a particular process, or under unusual conditions. Determination of suitability of any material for any given purpose is the sole responsibility of the user who assumes all risk and responsibility therefore. All materials may present unknown hazards and should be used with appropriate caution. The manufacturer cannot and does not guarantee that the hazards described herein are the only ones that exist.

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD RATINGS

HEALTH	1
FLAMMABILITY	2
REACTIVITY	0

Hazardous Material Identification System (HMIS) Hazard Ratings

HEALTH	1
FLAMMABILITY	2
REACTIVITY	0
PERSONAL PROTECTION	D

The following components of this product are listed on the Canadian WHMIS Ingredient Disclosure List (IDL):

COMPONENT	CASRN	PERCENT	MINIMUM CONCENTRATION
No regulatory limits established for this product.			

SAFETY DATA SHEET**SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION****PRODUCT IDENTIFIER**

Product name: Magenta toner powder (cartridge) for
 C532 series
 C650 series
 C823 series
 C833 series
 C843 series
 C844 series
 MC573 series
 ES5473 /ES8433/ES8443
 (Toner powder name: ODM-11-FH)

PRODUCT CASRN: Mixture

Product description: Magenta Toner

RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST MATERIAL USES: For electrophotographic printing systems

DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

MANUFACTURER: OKI Data Corporation
 3-1 Futaba-cho, Takasaki-shi, Gunma. 370-8585 Japan
 Tel: +81 27-328-6366 Fax: +81-27-328-6398

SUPPLIER: Oki Data Americas, Inc.
 8505 Freeport Pkwy, Suite 600 Irving, TX 75063, USA
 Tel. 1-856-235-2600

EMERGENCY TELEPHONE NUMBER: Tel. 1-856-235-2600

SECTION 2: HAZARD(S) IDENTIFICATION**PRODUCT CLASSIFICATION per 29 CFR 1910.1200**

HAZARD CLASSIFICATION	This product does not satisfy any of the criteria for a hazardous material per the guidelines established by the United Nations (Globally Harmonized System of Classification and Labelling of Chemicals) as specified in 29 CFR 1910.1200 Hazard Communication (2012).
SIGNAL WORD	Not Applicable
HAZARD STATEMENTS	Not Applicable

RECOMMENDED SAFETY PRECAUTIONS

INJURY PREVENTION	Take all precautions to prevent dispersion of this product in air. Eliminate all sources of ignition. Take precautionary measures against static discharge. Good industrial hygiene practices should be followed when handling this material. Avoid contact with eyes and skin. Do not breathe dusts of this material. Wash thoroughly after handling.
EMERGENCY RESPONSE	IF IN EYES: rinse cautiously with water for 15 minutes. Remove contact lens, if present and easy to do. Continue rinsing. Seek medical attention if necessary IF ON SKIN: gently wash with plenty of soap and water. Call a POISON CONTROL CENTER or doctor if symptoms develop or you feel unwell.
PRODUCT STORAGE	Protect from sun. Store in a well-ventilated room (under 40°C).

SAFETY DATA SHEET

PRODUCT DISPOSAL	Guard against accumulations of this material on surfaces. Eliminate all sources of ignition. DISPOSE of product and containers in accordance with all applicable local, state, federal, and international regulations.
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HAZARDS NOT OTHERWISE CLASSIFIED

PYROPHORIC GASES	Not applicable
SIMPLE ASPHYXIANTS	Not applicable
COMBUSTIBLE DUST	Product has not been tested for combustibility. However, as similar products are known to be combustible, the potential for this material to combust is a real hazard. All precautions should be taken when handling this product to avoid dispersion of the material in air.

Dust Classification	Minimum Ignition Energy (mJ)	Pmax (bar-g)	Rmax (bar/s)	Kst (bar-m/s)	Explosion Severity
Unknown (material has not been tested for combustibility)					

Definitions for dust classifications are found in OSHA Instruction CPL 03-00-008 *Combustible Dust National Emphasis Program (reissued)* March 11, 2008, Appendix E, Section 5

Other Known Hazards | None

FOR INFORMATION REGARDING ENVIRONMENTAL GHS CLASSIFICATION, REFER TO SECTION 12 BELOW

SECTION 3: COMPOSITION/INFORMATION on INGREDIENTS

Substance/mixture:	Mixture		
Chemical Name	Common Name	CAS Number	Concentration (%)
Confidential	Polyester resin	Confidential	Confidential
Confidential	Pigment	Confidential	Confidential
Confidential	Wax	Confidential	1 - 5
Confidential	SILICA	Confidential	1 - 5
Other components	-	Confidential	-

SECTION 4: FIRST-AID MEASURES

EYES	Immediately flush eyes with plenty of water for at least 15 minutes. If necessary, seek medical attention.
SKIN	For skin contact, wash immediately with soap and water. If necessary, seek medical attention.
INGESTION	If the material is swallowed, get immediate medical attention or advice.
INHALATION	Call a physician if symptoms develop or persist.
SYMPTOMS of EXPOSURE	None known.
NOTES to PHYSICIAN	Provide general supportive measures and treat symptomatically.

SAFETY DATA SHEET

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE PROPERTIES	Refer to SECTION 9: Physical and Chemical Properties
HAZARDOUS PRODUCTS of COMBUSTION	
PROPERTIES THAT COULD INCREASE FIRE or EXPLOSION HAZARD	Dusts at sufficient concentrations can form explosive mixtures with air.
EXTINGUISHING MEDIA	Water spray or powder
FIRE-FIGHTING INSTRUCTIONS	Firefighters should wear full protective clothing including self contained breathing apparatus.

NFPA ratings are found in SECTION 16

SECTION 6: ACCIDENTAL RELEASE MEASURES

RESPONSE TO SMALL SPILLS OF PRODUCT

SPILL CONTAINMENT	Containment of this material should not be necessary.
SPILL CLEANUP PROCEDURES	
REQUIRED EQUIPMENT	
ADDITIONAL INFORMATION	

RESPONSE TO LARGE SPILLS OF PRODUCT

SPILL CONTAINMENT	Stop the flow of material, if this is without risk. Contain the discharged material. Remove sources of ignition.
SPILL CLEANUP PROCEDURES	
REQUIRED EQUIPMENT	
ADDITIONAL INFORMATION	

SECTION 7: HANDLING AND STORAGE

HANDLING REQUIREMENTS	DUE TO THE POTENTIAL FOR COMBUSTIBLE DUST EXPLOSION, avoid conditions which may result in formation of a dust cloud. Implement best housekeeping practices to prevent accumulation of this product on surfaces. Do not use compressed air or nitrogen to remove material accumulations from surfaces. Equipment used to remove accumulated product should be protected against static ignition. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Avoid getting this material into contact with your skin and eyes. Do not breathe fumes or dust from this material. Wash thoroughly after handling.
STORAGE REQUIREMENTS	Store in a cool, dry, well-ventilated area. This material can accumulate static charge which may cause spark and become an ignition source.

SAFETY DATA SHEET

Guard against dust accumulation of this material.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits. Prevent electrostatic charge build-up by using common bonding and grounding techniques.

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION

Wear dust goggles.

HAND PROTECTION

Use impervious gloves.

SKIN PROTECTION

Normal work clothing (long sleeved shirts and long pants) is recommended.

RESPIRATORY PROTECTION

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever there may be potential for airborne exposure.

EXPOSURE LIMITS

CHEMICAL	CASRN	PERCENT	LIMITS	AGENCY
Particulates not otherwise regulated	-	-	15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)	OSHA
Paraffin wax	8002-74-2	1 - 5	2 mg/m ³ TWA (fume)	ACGIH
Particles (insoluble or poorly soluble) Not Otherwise Specified (PNOS)	-	-	10 mg/m ³ TWA (inhalable particles, recommended); 3 mg/m ³ TWA (respirable particles, recommended)	ACGIH

SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

APPEARANCE @ 20°C	Magenta powder	ODOR	No odor
ODOR THRESHOLD	No data available	pH	No data available
VAPOR DENSITY	No data available	VAPOR PRESSURE	No data available
EVAPORATION RATE	No data available	RELATIVE DENSITY	1.2g/mL @ 20°C
MELTING POINT (°C)	No data available	WATER SOLUBILITY	Insoluble in water
INITIAL BOILING POINT (°C)	No data available	BOILING RANGE (°C)	No data available
PARTITION COEFFICIENT (N-OCTANOL/WATER)	No data available	VISCOSITY	No data available
DECOMPOSITION TEMPERATURE	No data available	FLAMMABILITY CLASSIFICATION	Not evaluated
FLASH POINT (°C)	Not applicable	AUTO-IGNITION TEMPERATURE	No data available
UPPER EXPLOSIVE LIMIT	No data available	LOWER EXPLOSIVE LIMIT	No data available

SAFETY DATA SHEET

SECTION 10: STABILITY and REACTIVITY

CHEMICAL STABILITY	Stable under normal conditions.
CONDITIONS to AVOID	Avoid ignition sources where dust is produced.
INCOMPATIBLE MATERIALS (Reactivity)	None known.
INCOMPATIBLE MATERIALS (Storage & Transport)	No information available.
HAZARDOUS DECOMPOSITION PRODUCTS	None known.
HAZARDOUS POLYMERIZATION	Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE EFFECTS

EYE EFFECTS	Dust or powder may irritate eye tissue.
SKIN EFFECTS	Not expected to be a primary skin irritant.
ACUTE ORAL EFFECTS (INGESTION)	Not a likely route of entry.
ACUTE INHALATION EFFECTS	Dusts of this product may cause irritation of the nose, throat, and respiratory tract.
TARGET ORGANS	No known effects.

CHRONIC EFFECTS

MUTAGENICITY	Ames Test (TA98, TA100, TA1535, TA1537, TA1538, WP2uvrA): Negative
TERATOLOGY	No data available for this product.
REPRODUCTIVE and DEVELOPMENTAL TOXICITY	No information available.

CARCINOGENICITY

CHEMICAL NAME	DATA	AGENCY	LIST
Silica, amorphous	Monograph 68 [1997]; Supplement 7 [1987]	IARC	Group 3 Not Classifiable as Carcinogens

None of the components of this product are listed on the OSHA Possible or Select Carcinogens Lists.

None of the components of this product are listed on the ACGIH Carcinogens List.

None of the components of this product are listed on the NTP Known or Suspected Carcinogens List.

LETHAL DOSE (LD50 & LC50) DATA

LD50 ORAL	LD50 Oral Rat > 2000 mg/Kg
LD50 DERMAL	No information available
LC50 INHALATION	4% of the mixture consists of ingredients of unknown toxicity. LC50 Inhalation Rat > 5.09 mg/L/4 hour

MEDICAL CONDITIONS AGGRAVATED by EXPOSURE ROUTES of ENTRY	Inhalation of this product may aggravate existing conditions of the respiratory system such as asthma or bronchitis Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation.
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SAFETY DATA SHEET

OTHER TOXICOLOGICAL INFORMATION

SKIN CORROSION/IRRITATION: Rabbit, undiluted, 4 hours semi-occluded application test (OECD 404): Not classified, P.C.I. =0
 SERIOUS EYE DAMAGE/IRRITATION: Rabbit, undiluted, OCED405: not classified, I.A.O.I. = 0.0
 SKIN SENSITIZATION: Local Lymph Node Assay (LLNA, OECD429): negative

SECTION 12: ECOLOGICAL INFORMATION

UN GHS AQUATIC TOXICITY CLASSIFICATION INFORMATION

AQUATIC TOXICITY CLASSIFICATION	Not classified as hazardous to aquatic environment
SIGNAL WORD	Not applicable
HAZARD PICTOGRAM	Not applicable
HAZARD STATEMENT	Not applicable
PREVENTION	Not applicable
RESPONSE	Not applicable
DISPOSAL	Not applicable

ADDITIONAL ENVIRONMENTAL INFORMATION

AQUATIC TOXICITY (fish)	No information available
AQUATIC TOXICITY (crustacean)	48 hr EC50 daphnia magna > 100 mg/L (data on similar product)
AQUATIC TOXICITY (algae)	No information available
ECOTOX. INFORMATION	None determined
ENVIRONMENTAL FATE	No data available for this product.
BIOLOGICAL OXYGEN DEMAND (BOD5), g/g	No data available
CHEMICAL OXYGEN DEMAND (COD), g/g	No data available
PERSISTENCE & DEGRADABILITY	No information available.
BIOACCUMULATION	No information available

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DESCRIPTION	Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.
GENERAL DISPOSAL CONSIDERATIONS	Clean up and dispose of waste in accordance with all federal, state, and local environmental regulations.
DISPOSAL of EMPTY CONTAINERS	Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

RCRA COMPONENT

CASRN

DATA

No limits established for this product.

SECTION 14: TRANSPORT INFORMATION

	US DOT	IATA	IMDG
UN NUMBER	Not applicable	Not applicable	Not applicable
UN PROPER SHIPPING NAME	Non-hazardous	Non-hazardous material	Non-hazardous material

SAFETY DATA SHEET

TRANSPORT HAZARD CLASS(ES)	material		
PACKING GROUP	Not applicable	Not applicable	Not applicable
REPORTABLE QUANTITY (RQ)	No reportable quantity for this product		
EMERGENCY RESPONSE GUIDEBOOK (ERG) REFERENCE	Not applicable		
MARINE POLLUTANT	None		

SECTION 15: REGULATORY INFORMATION

TOXIC SUBSTANCES CONTROL ACT (TSCA)	This product is listed on the U.S. EPA TSCA Inventory.
EXPORT NOTIFICATIONS	This product is not subject to TSCA 12B Export Notification requirements.
SIGNIFICANT NEW USE RULE (SNUR)	This material is not subject to a Significant New Use Rule under the US Toxic Substances Control Act.

INTERNATIONAL CHEMICAL INVENTORIES

All of the components of this product are listed on the following inventories:

DSL	Canada	No	
NDSL	Canada	No	
ENCS	Japan	Yes	
EINECS	Europe	No	
ELINCS	Europe	Yes	
IECSC	China	Yes	Simplified Notification (polymer)
PICCS	Philippines	No	
ECL	Korea	Yes	Exemption for Examination
AICS	Australia	Yes	
TCSI	Taiwan	Yes	

EMERGENCY PLANNING and COMMUNITY RIGHT TO KNOW ACT (EPCRA) 40 CFR PART 355, APPENDIX A

EHS COMPONENTS	CASRN	PERCENT	TPQ POUNDS and RQ
No limits established for this product.			
313 COMPONENTS	CASRN	PERCENT	REPORTING LIMIT
No limits established for this product.			
CERCLA/SARA COMPONENTS	CASRN	PERCENT	REPORTING LIMIT
No limits established for this product.			

EPCRA SECTION 311/312 CLASSIFICATION	ACUTE	No
	CHRONIC	No
	FIRE	No
	PRESSURE	No
	REACTIVE	No

OTHER FEDERAL REGULATIONS

SAFETY DATA SHEET

The following components are identified under the Clean Air Act HON-Rule for SOCM chemicals:

COMPONENT NAME	CASRN
No regulated components	

The following components are identified under the Clean Air Act (VOCs in SOCM chemicals):

COMPONENT NAME	CASRN
No regulated components	

The following components are identified under the Clean Air Act as Hazardous Air Pollutants (HAP)

COMPONENT NAME	CASRN
No regulated components	

The following components are identified under the Clean Air Act HON-Rule Hazardous Air Pollutants (HAP)

COMPONENT NAME	CASRN
No regulated components	

The following components are identified under the Clean Water Act:

COMPONENT NAME	CASRN	LIST NAME
No limits established for this product.		

STATE RIGHT-TO-KNOW INFORMATION:

COMPONENT NAME	CASRN	STATE	List Name
Paraffin wax	8002-74-2	Massachusetts	Right-to-Know List
Paraffin wax	8002-74-2	New Jersey	Right-to-Know List
Paraffin waxes and Hydrocarbon waxes	8002-74-2	Pennsylvania	Right-to-Know List

If the STATE RIGHT-TO-KNOW INFORMATION table above is empty than none of the components of this product are included on the state right-to-know regulatory lists for Florida, Massachusetts, Michigan, Pennsylvania, or New Jersey.

CALIFORNIA SAFE DRINKING WATER and TOXIC ENFORCEMENT ACT of 1986 (Proposition 65)

COMPONENT NAME	CASRN	CONCENTRATION †	LIST DATA
This product contains no components which are listed on California's Proposition 65 lists.			

† CONCENTRATIONS EXPRESSED IN % UNLESS UNITS ARE SPECIFIED

SAFETY DATA SHEET**SECTION 16: OTHER INFORMATION**

To the best of the manufacturer's knowledge, the information contained herein is accurate. However, neither the manufacturer, nor any of its affiliates, make any representations or warranties (expressed or implied), nor assumes any liability (including liability for any direct, incidental, consequential, or other damages) with respect to the accuracy or completeness of the information contained herein. Such information may be (without limitation) invalid if the specified material is used in combination with another, in a particular process, or under unusual conditions. Determination of suitability of any material for any given purpose is the sole responsibility of the user who assumes all risk and responsibility therefore. All materials may present unknown hazards and should be used with appropriate caution. The manufacturer cannot and does not guarantee that the hazards described herein are the only ones that exist.

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD RATINGS

HEALTH	1
FLAMMABILITY	2
REACTIVITY	0

Hazardous Material Identification System (HMIS) Hazard Ratings

HEALTH	1
FLAMMABILITY	2
REACTIVITY	0
PERSONAL PROTECTION	D

The following components of this product are listed on the Canadian WHMIS Ingredient Disclosure List (IDL):

COMPONENT	CASRN	PERCENT	MINIMUM CONCENTRATION
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No regulatory limits established for this product.

SAFETY DATA SHEET**SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION****PRODUCT IDENTIFIER**

Product name: Cyan toner powder (cartridge) for
 C532 series
 C650 series
 C823 series
 C833 series
 C843 series
 C844 series
 MC573 series
 ES5473 /ES8433/ES8443
 (Toner powder name: ODC-11-MH)

PRODUCT CASRN: Mixture

Product description: Cyan Toner

RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST MATERIAL USES: For electrophotographic printing systems

DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

MANUFACTURER: OKI Data Corporation
 3-1 Futaba-cho, Takasaki-shi, Gunma. 370-8585 Japan
 Tel: +81 27-328-6366 Fax: +81-27-328-6398

SUPPLIER: Oki Data Americas, Inc.
 8505 Freeport Pkwy, Suite 600 Irving, TX 75063, USA
 Tel. 1-856-235-2600

EMERGENCY TELEPHONE NUMBER: Tel. 1-856-235-2600

SECTION 2: HAZARD(S) IDENTIFICATION**PRODUCT CLASSIFICATION per 29 CFR 1910.1200**

HAZARD CLASSIFICATION	This product does not satisfy any of the criteria for a hazardous material per the guidelines established by the United Nations (Globally Harmonized System of Classification and Labelling of Chemicals) as specified in 29 CFR 1910.1200 Hazard Communication (2012).
SIGNAL WORD	Not Applicable
HAZARD STATEMENTS	Not Applicable

RECOMMENDED SAFETY PRECAUTIONS

INJURY PREVENTION	Take all precautions to prevent dispersion of this product in air. Eliminate all sources of ignition. Take precautionary measures against static discharge. Good industrial hygiene practices should be followed when handling this material. Avoid contact with eyes and skin. Do not breathe dusts of this material. Wash thoroughly after handling.
EMERGENCY RESPONSE	IF IN EYES: rinse cautiously with water for 15 minutes. Remove contact lens, if present and easy to do. Continue rinsing. Seek medical attention if necessary IF ON SKIN: gently wash with plenty of soap and water.
PRODUCT STORAGE	Call a POISON CONTROL CENTER or doctor if symptoms develop or you feel unwell. Protect from sun. Store in a well-ventilated room (under 40°C).

SAFETY DATA SHEET

PRODUCT DISPOSAL	Guard against accumulations of this material on surfaces. Eliminate all sources of ignition. DISPOSE of product and containers in accordance with all applicable local, state, federal, and international regulations.
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HAZARDS NOT OTHERWISE CLASSIFIED

PYROPHORIC GASES	Not applicable
SIMPLE ASPHYXIANTS	Not applicable
COMBUSTIBLE DUST	Product has not been tested for combustibility. However, as similar products are known to be combustible, the potential for this material to combust is a real hazard. All precautions should be taken when handling this product to avoid dispersion of the material in air.

Dust Classification	Minimum Ignition Energy (mJ)	Pmax (bar-g)	Rmax (bar/s)	Kst (bar-m/s)	Explosion Severity
Unknown (material has not been tested for combustibility)					

Definitions for dust classifications are found in OSHA Instruction CPL 03-00-008 *Combustible Dust National Emphasis Program (reissued)* March 11, 2008, Appendix E, Section 5

Other Known Hazards | None

FOR INFORMATION REGARDING ENVIRONMENTAL GHS CLASSIFICATION, REFER TO SECTION 12 BELOW

SECTION 3: COMPOSITION/INFORMATION on INGREDIENTS

Substance/mixture:	Mixture		
Chemical Name	Common Name	CAS Number	Concentration (%)
Confidential	Polyester resin	Confidential	Confidential
Confidential	Waxes	Confidential	1 - 5
Confidential	Silica	Confidential	1 - 5
Confidential	Pigment	Confidential	Confidential
Confidential	Other components	Confidential	-

SECTION 4: FIRST-AID MEASURES

EYES	Immediately flush eyes with plenty of water for at least 15 minutes. If necessary, seek medical attention.
SKIN	For skin contact, wash immediately with soap and water. If necessary, seek medical attention.
INGESTION	If the material is swallowed, get immediate medical attention or advice.
INHALATION	Call a physician if symptoms develop or persist.
SYMPTOMS of EXPOSURE	None known.
NOTES to PHYSICIAN	Provide general supportive measures and treat symptomatically.

SAFETY DATA SHEET

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE PROPERTIES	Refer to SECTION 9: Physical and Chemical Properties
HAZARDOUS PRODUCTS of COMBUSTION	
PROPERTIES THAT COULD INCREASE FIRE or EXPLOSION HAZARD	
EXTINGUISHING MEDIA	Water spray or powder
FIRE-FIGHTING INSTRUCTIONS	Firefighters should wear full protective clothing including self contained breathing apparatus.

NFPA ratings are found in SECTION 16

SECTION 6: ACCIDENTAL RELEASE MEASURES

RESPONSE TO SMALL SPILLS OF PRODUCT

SPILL CONTAINMENT	Containment of this material should not be necessary.
SPILL CLEANUP PROCEDURES	Vacuum up the spilled material.
REQUIRED EQUIPMENT	Vacuum or sweep up material and place in a disposal container.
ADDITIONAL INFORMATION	No other spill procedures necessary.

RESPONSE TO LARGE SPILLS OF PRODUCT

SPILL CONTAINMENT	Stop the flow of material, if this is without risk. Contain the discharged material. Remove sources of ignition.
SPILL CLEANUP PROCEDURES	Vacuum or sweep up material and place in a disposal container. Avoid the generation of dusts during clean-up. Dispose of spent absorbent in an approved industrial waste landfill.
REQUIRED EQUIPMENT	Any equipment which presents a risk of accumulating static electricity should be properly grounded/bonded when used in the clean-up of this material. Wear appropriate protective equipment and clothing during clean-up.
ADDITIONAL INFORMATION	No other spill procedures necessary.

SECTION 7: HANDLING AND STORAGE

HANDLING REQUIREMENTS	DUE TO THE POTENTIAL FOR COMBUSTIBLE DUST EXPLOSION, avoid conditions which may result in formation of a dust cloud. Implement best housekeeping practices to prevent accumulation of this product on surfaces. Do not use compressed air or nitrogen to remove material accumulations from surfaces. Equipment used to remove accumulated product should be protected against static ignition. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Avoid getting this material into contact with your skin and eyes. Do not breathe fumes or dust from this material. Wash thoroughly after handling.
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SAFETY DATA SHEET

STORAGE REQUIREMENTS

Store in a cool, dry, well-ventilated area.
This material can accumulate static charge which may cause spark and become an ignition source.
Guard against dust accumulation of this material.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits. Prevent electrostatic charge build-up by using common bonding and grounding techniques.

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION

Wear dust goggles.

HAND PROTECTION

Use impervious gloves.

SKIN PROTECTION

Normal work clothing (long sleeved shirts and long pants) is recommended.

RESPIRATORY PROTECTION

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever there may be potential for airborne exposure.

EXPOSURE LIMITS

CHEMICAL	CASRN	PERCENT	LIMITS	AGENCY
Particulates not otherwise regulated	-	-	15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)	OSHA
Silica, amorphous Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, hydrolysis products with silica	7631-86-9	1 - 5	20 mppcf TWA; ((80)/(% SiO ₂)) mg/m ³ TWA	OSHA
Paraffin wax	8002-74-2	1 - 5	2 mg/m ³ TWA (fume)	ACGIH
Particles (insoluble or poorly soluble) Not Otherwise Specified (PNOS)	-	-	10 mg/m ³ TWA (inhalable particles, recommended); 3 mg/m ³ TWA (respirable particles, recommended)	ACGIH

SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

APPEARANCE @ 20°C

Cyan powder

ODOR

No odor

ODOR THRESHOLD

No data available

pH

No data available

VAPOR DENSITY

No data available

VAPOR PRESSURE

No data available

EVAPORATION RATE

No data available

RELATIVE DENSITY

1.2g/mL @ 20°C

MELTING POINT (°C)

No data available

WATER SOLUBILITY

Insoluble in water

INITIAL BOILING POINT (°C)

No data available

BOILING RANGE (°C)

No data available

PARTITION COEFFICIENT (N-OCTANOL/WATER)

No data available

VISCOSITY

No data available

DECOMPOSITION

No data available

FLAMMABILITY

Not evaluated

SAFETY DATA SHEET

TEMPERATURE FLASH POINT (°C)	Not applicable	CLASSIFICATION AUTO-IGNITION TEMPERATURE LOWER EXPLOSIVE LIMIT	No data available No data available
UPPER EXPLOSIVE LIMIT	No data available		

SECTION 10: STABILITY and REACTIVITY

CHEMICAL STABILITY	Stable under normal conditions.
CONDITIONS to AVOID	Avoid ignition sources where dust is produced.
INCOMPATIBLE MATERIALS (Reactivity)	None known.
INCOMPATIBLE MATERIALS (Storage & Transport)	No information available.
HAZARDOUS DECOMPOSITION PRODUCTS	None known.
HAZARDOUS POLYMERIZATION	Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE EFFECTS

EYE EFFECTS	Dust or powder may irritate eye tissue.
SKIN EFFECTS	Not expected to be a primary skin irritant.
ACUTE ORAL EFFECTS (INGESTION)	Not a likely route of entry.
ACUTE INHALATION EFFECTS	Dusts of this product may cause irritation of the nose, throat, and respiratory tract.
TARGET ORGANS	No known effects.

CHRONIC EFFECTS

MUTAGENICITY	Ames Test (TA98, TA100, TA1535, TA1537, TA1538, WP2uvrA): Negative
TERATOLOGY	No data available for this product.
REPRODUCTIVE and DEVELOPMENTAL TOXICITY	No information available.

CARCINOGENICITY

CHEMICAL NAME	DATA	AGENCY	LIST
Silica, amorphous	Monograph 68 [1997]; Supplement 7 [1987]	IARC	Group 3 Not Classifiable as Carcinogens

None of the components of this product are listed on the OSHA Possible or Select Carcinogens Lists.

None of the components of this product are listed on the ACGIH Carcinogens List.

None of the components of this product are listed on the NTP Known or Suspected Carcinogens List.

LETHAL DOSE (LD50 & LC50) DATA

LD50 ORAL	LD50 Oral Rat > 2000 mg/kg
LD50 DERMAL	No information available
LC50 INHALATION	6% of the mixture consists of ingredients of unknown toxicity. LC50 Inhalation Rat > 4.97 mg/L/4 hour (nose only)

SAFETY DATA SHEET

MEDICAL CONDITIONS AGGRAVATED by EXPOSURE ROUTES of ENTRY	Inhalation of this product may aggravate existing conditions of the respiratory system such as asthma or bronchitis Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation.
OTHER TOXICOLOGICAL INFORMATION	SKIN CORROSION/IRRITATION: Rabbit, undiluted, 4 hours semi-occluded application test (OECD 404): Not classified, P.C.I. =0 SERIOUS EYE DAMAGE/IRRITATION: Rabbit, undiluted, OCED405: not classified, I.A.O.I. = 0.7 SKIN SENSITIZATION: Local Lymph Node Assay (LLNA, OECD429): negative

SECTION 12: ECOLOGICAL INFORMATION

UN GHS AQUATIC TOXICITY CLASSIFICATION INFORMATION

AQUATIC TOXICITY CLASSIFICATION	Not classified as hazardous to aquatic environment
SIGNAL WORD	Not applicable
HAZARD PICTOGRAM	Not applicable
HAZARD STATEMENT	Not applicable
PREVENTION	Not applicable
RESPONSE	Not applicable
DISPOSAL	Not applicable

ADDITIONAL ENVIRONMENTAL INFORMATION

AQUATIC TOXICITY (fish)	No information available
AQUATIC TOXICITY (crustacean)	48 hr EC50 daphnia magna > 100 mg/L (data on similar product)
AQUATIC TOXICITY (algae)	No information available
ECOTOX. INFORMATION	None determined
ENVIRONMENTAL FATE	No data available for this product.
BIOLOGICAL OXYGEN DEMAND (BOD5), g/g	No data available
CHEMICAL OXYGEN DEMAND (COD), g/g	No data available
PERSISTENCE & DEGRADABILITY	No information available.
BIOACCUMULATION	No information available

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DESCRIPTION	Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.
GENERAL DISPOSAL CONSIDERATIONS	Clean up and dispose of waste in accordance with all federal, state, and local environmental regulations.
DISPOSAL of EMPTY CONTAINERS	Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

RCRA COMPONENT	CASRN	DATA
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No limits established for this product.

SAFETY DATA SHEET

SECTION 14: TRANSPORT INFORMATION

	US DOT	IATA	IMDG
UN NUMBER	Not applicable	Not applicable	Not applicable
UN PROPER SHIPPING NAME	Non-hazardous material	Non-hazardous material	Non-hazardous material
TRANSPORT HAZARD CLASS(ES)	Not applicable	Not applicable	Not applicable
PACKING GROUP	Not applicable	Not applicable	Not applicable
REPORTABLE QUANTITY (RQ)	No reportable quantity for this product		
EMERGENCY RESPONSE	Not applicable		
GUIDEBOOK (ERG) REFERENCE			
MARINE POLLUTANT	None		

SECTION 15: REGULATORY INFORMATION

TOXIC SUBSTANCES CONTROL ACT (TSCA)	This product is listed on the U.S. EPA TSCA Inventory.
EXPORT NOTIFICATIONS	This product is not subject to TSCA 12B Export Notification requirements.
SIGNIFICANT NEW USE RULE (SNUR)	This material is not subject to a Significant New Use Rule under the US Toxic Substances Control Act.

INTERNATIONAL CHEMICAL INVENTORIES

All of the components of this product are listed on the following inventories:

DSL	Canada	No	
NDSL	Canada	No	
ENCS	Japan	Yes	
EINECS	Europe	No	
ELINCS	Europe	Yes	
IECSC	China	Yes	Simplified Notification (polymer)
PICCS	Philippines	No	
ECL	Korea	Yes	Exemption for Examination
AICS	Australia	Yes	
TCSI	Taiwan	Yes	

EMERGENCY PLANNING and COMMUNITY RIGHT TO KNOW ACT (EPCRA)
40 CFR PART 355, APPENDIX A

EHS COMPONENTS	CASRN	PERCENT	TPQ POUNDS and RQ
No limits established for this product.			

313 COMPONENTS	CASRN	PERCENT	REPORTING LIMIT
No limits established for this product.			

CERCLA/SARA COMPONENTS	CASRN	PERCENT	REPORTING LIMIT
No limits established for this product.			

SAFETY DATA SHEET

EPCRA SECTION 311/312 CLASSIFICATION	ACUTE	No
	CHRONIC	No
	FIRE	No
	PRESSURE	No
	REACTIVE	No

OTHER FEDERAL REGULATIONS

The following components are identified under the Clean Air Act HON-Rule for SOCMCI chemicals:

COMPONENT NAME	CASRN
No regulated components	

The following components are identified under the Clean Air Act (VOCs in SOCMCI chemicals):

COMPONENT NAME	CASRN
No regulated components	

The following components are identified under the Clean Air Act as Hazardous Air Pollutants (HAP)

COMPONENT NAME	CASRN
No regulated components	

The following components are identified under the Clean Air Act HON-Rule Hazardous Air Pollutants (HAP)

COMPONENT NAME	CASRN
No regulated components	

The following components are identified under the Clean Water Act:

COMPONENT NAME	CASRN	LIST NAME
No limits established for this product.		

STATE RIGHT-TO-KNOW INFORMATION:

COMPONENT NAME	CASRN	STATE	List Name
Paraffin wax	8002-74-2	Massachusetts	Right-to-Know List
Paraffin wax	8002-74-2	New Jersey	Right-to-Know List
Paraffin waxes and Hydrocarbon waxes	8002-74-2	Pennsylvania	Right-to-Know List

If the STATE RIGHT-TO-KNOW INFORMATION table above is empty than none of the components of this product are included on the state right-to-know regulatory lists for Florida, Massachusetts, Michigan, Pennsylvania, or New Jersey.

CALIFORNIA SAFE DRINKING WATER and TOXIC ENFORCEMENT ACT of 1986 (Proposition 65)

COMPONENT NAME	CASRN	CONCENTRATION †	LIST DATA
This product contains no components which are listed on California's Proposition 65 lists.			

† CONCENTRATIONS EXPRESSED IN % UNLESS UNITS ARE SPECIFIED

SAFETY DATA SHEET

SECTION 16: OTHER INFORMATION

To the best of the manufacturer's knowledge, the information contained herein is accurate. However, neither the manufacturer, nor any of its affiliates, make any representations or warranties (expressed or implied), nor assumes any liability (including liability for any direct, incidental, consequential, or other damages) with respect to the accuracy or completeness of the information contained herein. Such information may be (without limitation) invalid if the specified material is used in combination with another, in a particular process, or under unusual conditions. Determination of suitability of any material for any given purpose is the sole responsibility of the user who assumes all risk and responsibility therefore. All materials may present unknown hazards and should be used with appropriate caution. The manufacturer cannot and does not guarantee that the hazards described herein are the only ones that exist.

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD RATINGS

HEALTH	1
FLAMMABILITY	2
REACTIVITY	0

Hazardous Material Identification System (HMIS) Hazard Ratings

HEALTH	1
FLAMMABILITY	2
REACTIVITY	0
PERSONAL PROTECTION	D

The following components of this product are listed on the Canadian WHMIS Ingredient Disclosure List (IDL):

COMPONENT	CASRN	PERCENT	MINIMUM CONCENTRATION
No regulatory limits established for this product.			