

SDS No. : TNR-C0016-PRN (for US)

**PRINTRONIX**

**SAFETY DATA SHEET**

Toner Powder (Cartridge) for

LP844C

LP654C

**Printronix, LLC.**

**SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION**

**PRODUCT IDENTIFIER**

**PRODUCT NAME:** Black toner powder (cartridge) for  
LP844C, LP654C  
(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 Electric Industry Co., Ltd.  
1-7-12 Toranomon, Minato-ku, Tokyo, 105-8460, Japan  
Tel: +81 3-3501-3111

**SUPPLIER:** Oki Data Americas, Inc.  
8505 Freeport Pkwy, Suite 100 Irving, TX 75063, U.S.A  
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**

<b>HAZARD CLASSIFICATION</b>	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).
<b>SIGNAL WORD</b>	Not Applicable
<b>HAZARD STATEMENT</b>	Not applicable

**RECOMMENDED SAFETY PRECAUTIONS**

<b>INJURY PREVENTION</b>	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.
<b>EMERGENCY RESPONSE</b>	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.
<b>PRODUCT STORAGE</b>	Protect from sun. Store in a well-ventilated room (under 40°C). Guard against accumulations of this material on surfaces. Eliminate all sources of ignition.

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**PRODUCT DISPOSAL** | 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**

Chemical name	Common Name	CAS number	Concentration (%)
Confidential	Polyester resin	Confidential	Confidential
Carbon black	Carbon black	1333-86-4	1 - 10
Confidential	Wax	Confidential	1 - 5
Confidential	Silica	Confidential	1 – 5

If any items in the table above are described as CONFIDENTIAL, Oki Electric Industry Co., Ltd. considers this information to constitute a Trade Secret.

Where Confidentiality is claimed, see SECTION 15 for further information required under the Government of Canada Hazardous Materials Information Review Act (HMIRA)

**SECTION 4: FIRST-AID MEASURES**

**EYES** | Remove contact lens immediately, if present and easy to remove. Immediately flush eyes with plenty of water for at least 15 minutes. If necessary, seek medical attention.

**SKIN** | Immediately take off all contaminated clothing. Wash affected area with mild soap and water. If irritation persists or other symptoms develop, seek medical attention. If medical attention is not immediately available, contact POISON CONTROL CENTER (1-800-222-1222).

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<b>INGESTION</b>	If the material is swallowed, get immediate medical attention or advice. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth to a victim who is unconscious or is having convulsions.
<b>INHALATION</b>	Move person to non-contaminated air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. If tightness or congestion develops, get medical attention.
<b>SYMPTOMS of EXPOSURE</b>	None known.
<b>NOTES to PHYSICIAN</b>	Provide general supportive measures and treat symptomatically.

**SECTION 5: FIRE-FIGHTING MEASURES**

<b>FLAMMABLE PROPERTIES:</b>	Refer to SECTION 9: Physical and Chemical Properties
<b>HAZARDOUS PRODUCTS of COMBUSTION</b>	Irritating and toxic gases or fumes may be released during a fire.
<b>PROPERTIES THAT COULD INCREASE FIRE or EXPLOSION HAZARD</b>	Dusts at sufficient concentrations can form explosive mixtures with air.
<b>EXTINGUISHING MEDIA</b>	Water spray or powder
<b>FIRE-FIGHTING INSTRUCTIONS</b>	Firefighters should wear full protective clothing including self contained breathing apparatus.

**NFPA ratings are found in SECTION 16**

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**FOR ALL TRANSPORTATION ACCIDENTS, call Chemtrec at 1-800-424-9300 or +1-703-741-5970 for international collect calls (in Mexico, call 800-681-9531)**

**RESPONSE TO SMALL SPILLS OF PRODUCT**

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

**RESPONSE TO LARGE SPILLS OF PRODUCT**

<b>SPILL CONTAINMENT</b>	Stop the flow of material, if this is without risk. Contain the discharged material. Remove sources of ignition.
<b>SPILL CLEANUP</b>	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

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<b>PROCEDURES</b>	container. Put material in suitable, covered, labeled containers.
<b>REQUIRED EQUIPMENT</b>	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.
<b>ADDITIONAL INFORMATION</b>	No other spill procedures necessary.

<b>SECTION 7: HANDLING AND STORAGE</b>
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<b>HANDLING REQUIREMENTS</b>	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.
<b>STORAGE REQUIREMENTS</b>	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.

<b>SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION</b>
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<b>ENGINEERING CONTROLS</b>	Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits. Prevent electrostatic charge build-up by using common bonding and grounding techniques.
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**PERSONAL PROTECTIVE EQUIPMENT**

<b>EYE/FACE PROTECTION</b>	Wear dust goggles.
<b>HAND PROTECTION</b>	Use impervious gloves.
<b>SKIN PROTECTION</b>	Normal work clothing (long sleeved shirts and long pants) is recommended.
<b>RESPIRATORY PROTECTION</b>	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.

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**EXPOSURE LIMITS**

CHEMICAL	CASRN	PERCENT	LIMITS	AGENCY
Particulates not otherwise regulated	—	—	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)	OSHA
Carbon black	1333-86-4	1 - 10	3.5 mg/m3 TWA	OSHA
Silica, amorphous Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, hydrolysis products with silica	7631-86-9	1 - 5	20 mppcf TWA; ((80)/(% SiO2) mg/m3 TWA)	OSHA
Particles (insoluble or poorly soluble) Not Otherwise Specified (PNOS)	—	—	10 mg/m3 TWA (inhalable particles, recommended); 3 mg/m3 TWA (respirable particles, recommended)	ACGIH
Paraffin wax	8002-74-2	1 - 5	2 mg/m3 TWA (fume)	ACGIH
Carbon black	1333-86-4	1 - 10	3.0 mg/m3 (inhalable fraction), TWA 3 mg/m3 TWA (inhalable particulate matter)	ACGIH

**SECTION 9: PHYSICAL and CHEMICAL PROPERTIES**

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

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**SECTION 10: STABILITY and REACTIVITY**

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





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**SECTION 12: ECOLOGICAL INFORMATION**

**UN GHS AQUATIC TOXICITY CLASSIFICATION INFORMATION**

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

**ADDITIONAL ENVIRONMENTAL INFORMATION**

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



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## SECTION 13: DISPOSAL CONSIDERATIONS

<b>WASTE DESCRIPTION</b>	Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.
<b>GENERAL DISPOSAL CONSIDERATIONS</b>	Clean up and dispose of waste in accordance with all federal, state, and local environmental regulations.
<b>DISPOSAL of EMPTY CONTAINERS</b>	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 CLASSIFICATION (49 CFR §172.101)

UN NUMBER	UN PROPER SHIPPING NAME	TECHNICAL NAME	HAZARD CLASS	PACKING GROUP	SHIPPING PLACARDS
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Not Regulated in Transportation

<b>MARINE POLLUTANT</b>	Not applicable
<b>SPECIAL PROVISIONS (§172.102)</b>	Not applicable
<b>PACKAGING, BULK (§173.***)</b>	Not applicable
<b>PACKAGING, NON-BULK (§173.***)</b>	Not applicable
<b>PACKAGING, EXCEPTIONS (§173.***)</b>	Not applicable
<b>QUANTITY LIMITATION, PASSENGER AIR/RAIL</b>	Not applicable
<b>QUANTITY LIMITATION, CARGO AIR</b>	Not applicable
<b>VESSEL STOWAGE, GENERAL</b>	Not applicable
<b>VESSEL STOWAGE SPECIAL</b>	Not applicable
<b>REPORTABLE QUANTITY (RQ)</b>	No reportable quantity for this product
<b>EMERGENCY RESPONSE GUIDEBOOK (ERG) REFERENCE</b>	Not applicable

### INTERNATIONAL BULK SHIPPING REQUIREMENTS (MARPOL 73/78)

<b>SHIPPING NAME</b>	No information available
<b>SHIP TYPE</b>	No information available
<b>POLLUTION CATEGORY</b>	No information available

**OTHER REGULATORY CLASSIFICATION INFORMATION**

	IATA	IMDG
<b>PROPER SHIPPING NAME</b>	Non-hazardous material	Non-hazardous material
<b>HAZARD CLASS</b>	Not applicable	Not applicable
<b>PACKING GROUP</b>	Not applicable	Not applicable

**SECTION 15: REGULATORY INFORMATION**

<b>TOXIC SUBSTANCES CONTROL ACT (TSCA)</b>	This product is listed on the U.S. EPA TSCA Inventory.
<b>TSCA 12b EXPORT NOTIFICATION (US)</b>	This product is not subject to TSCA 12B Export Notification requirements.
<b>SIGNIFICANT NEW USE RULE (US)</b>	This material is not subject to a Significant New Use Rule under the US Toxic Substances Control Act.
<b>TSCA 8b INVENTORY RESET STATUS (US)</b>	All substances present in this product have been designated as commercially ACTIVE on the United States TSCA inventory {15 U.S.C. §2607(b)(4)}
<b>DOMESTIC SUBSTANCE LIST (DSL - CA)</b>	This product contains components which have not been notified to the Canadian Environmental Protection Agency for inclusion on the Domestic Substance List.
<b>HAZARDOUS MATERIALS INFORMATION REVIEW ACT (CA)</b>	This product does not contain any materials for which a Confidential Business Information claim has been filed with Health Canada. Filing Date: Not applicable Reference Number: Not applicable
<b>SIGNIFICANT NEW USE ACTIVITIES (CA)</b>	The product contains no regulated components
<b>NATIONAL INVENTORY of CHEMICAL SUBSTANCES (MX)</b>	This material is not listed on the National Inventory of Chemical Substances (INSQ) of Mexico.

**INTERNATIONAL CHEMICAL INVENTORIES**

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

<b>ENCS</b>	Japan	Yes	
<b>REACH</b>	Europe	Not evaluated	
<b>EINECS</b>	Europe	Yes	
<b>ELINCS</b>	Europe	No	
<b>IECSC</b>	China	No	Simplified Notification (polymer)
<b>PICCS</b>	Philippines	No	
<b>ECL</b>	Korea	No	Exemption for Examination
<b>AICS</b>	Australia	Yes	
<b>TCSI</b>	Taiwan	Yes	

**APPLICABLE UNITED STATES FEDERAL and STATE REGULATIONS**

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

EHS COMPONENT	CASRN	PERCENT	TPQ POUNDS and RQ
The product contains no regulated components			



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313 COMPONENTS	CASRN	PERCENT	REPORTING LIMIT
The product contains no regulated components			

CERCLA/SARA COMPONENTS	CASRN	PERCENT	REPORTING LIMIT
The product contains no regulated components			

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

**THE FOLLOWING COMPONENTS ARE IDENTIFIED UNDER THE US CLEAN AIR ACT HON-RULE FOR SOCM1 CHEMICALS**

COMPONENT NAME	CASRN
The product contains no regulated components	

**THE FOLLOWING COMPONENTS ARE IDENTIFIED UNDER THE US CLEAN AIR ACT (VOCS IN SOCM1 CHEMICALS)**

COMPONENT NAME	CASRN
The product contains no regulated components	

**THE FOLLOWING COMPONENTS ARE IDENTIFIED UNDER THE US CLEAN AIR ACT AS HAZARDOUS AIR POLLUTANTS (HAP)**

COMPONENT NAME	CASRN
The product contains no regulated components	

**THE FOLLOWING COMPONENTS ARE IDENTIFIED UNDER THE US CLEAN AIR ACT HON-RULE HAZARDOUS AIR POLLUTANTS (HAP)**

COMPONENT NAME	CASRN
The product contains no regulated components	

**THE FOLLOWING COMPONENTS ARE IDENTIFIED UNDER THE US 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
Carbon black	1333-86-4	Massachusetts	Right-to-Know List
Carbon black	1333-86-4	New Jersey	Special Hazardous Substance List
Paraffin wax	8002-74-2	New Jersey	Right-to-Know List
Carbon black	1333-86-4	New Jersey	Right-to-Know List
Paraffin waxes and Hydrocarbon waxes	8002-74-2	Pennsylvania	Right-to-Know List
Carbon black	1333-86-4	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 WATER and TOXIC ENFORCEMENT ACT of 1986 (Proposition 65)**

COMPONENT NAME	CASRN	CONCENTRATION <sup>‡</sup>	LIST DATA
Carbon black	1333-86-4	1 - 10 (max)	carcinogen, 2/21/2003 (airborne, unbound particles of respirable size)

<sup>‡</sup> CONCENTRATIONS EXPRESSED IN % UNLESS UNITS ARE SPECIFIED

**APPLICABLE REGULATIONS OF THE GOVERNMENT OF CANADA**

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 %

THE FOLLOWING COMPONENTS OF THIS PRODUCT ARE LISTED ON THE REVISED IN-COMMERCE LIST (R-ICL)

COMPONENT	CASRN
The product contains no regulated components	

THE FOLLOWING COMPONENTS OF THIS PRODUCT ARE LISTED ON THE ENVIRONMENTAL EMERGENCIES LIST

COMPONENT	CASRN
The product contains no regulated components	

**APPLICABLE REGULATIONS OF THE GOVERNMENT OF MEXICO**

**ECOLOGICAL CRITERIA FOR WATER QUALITY**

COMPONENT	CASRN	PERCENT	DATA	LIST
The product contains no regulated components				Protection of Marine Water
The product contains no regulated components				Protection of Fresh Water
The product contains no regulated components				Agricultural Irrigation
The product contains no regulated components				Drinking Water Supply Source

**POLLUTION RELEASE AND TRANSFER REGISTER**

COMPONENT	CASRN	PERCENT	DATA	LIST
The product contains no regulated components				Reporting Emissions Threshold
The product contains no regulated components				Manufacturing, Processing Use Threshold

**THRESHOLD QUANTITIES OF HAZARDOUS CHEMICALS**

COMPONENT	CASRN	PERCENT	DATA	LIST
The product contains no regulated components				Workplace Threshold

**SECRETARIAT OF LABOR AND SOCIAL WELFARE (STPS) - EXPOSURE LIMITS**

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COMPONENT	CASRN	DATA	LIST
Negro de humo	1333-86-4	3 mg/m3 TWA VLE-PPT (inhalable fraction)	TWA LIMIT
Parafina	8002-74-2	2 mg/m3 TWA VLE-PPT (fume)	TWA LIMIT
Partículas insolubles o poco solubles no especificadas de otra manera	—	10 mg/m3 TWA VLE-PPT (inhalable fraction); 3 mg/m3 TWA VLE-PPT (respirable fraction)	TWA LIMIT
The product contains no regulated components			STEL LIMITS
The product contains no regulated components			CEILING LIMITS
The product contains no regulated components			SKIN DESIGNATION
Negro de humo	1333-86-4	A3 - Confirmed animal carcinogen	CARCINOGENS

**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

**SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION**

**PRODUCT IDENTIFIER**

**PRODUCT NAME:** Yellow toner powder (cartridge) for LP844C, LP654C  
(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 Electric Industry Co., Ltd.  
1-7-12 Toranomon, Minato-ku, Tokyo, 105-8460, Japan  
Tel: +81 3-3501-3111

**SUPPLIER:** Oki Data Americas, Inc.  
8505 Freeport Pkwy, Suite 100 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**

<b>HAZARD CLASSIFICATION</b>	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).
<b>SIGNAL WORD</b>	Not Applicable
<b>HAZARD STATEMENT</b>	Not applicable

**RECOMMENDED SAFETY PRECAUTIONS**

<b>INJURY PREVENTION</b>	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.
<b>EMERGENCY RESPONSE</b>	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.
<b>PRODUCT STORAGE</b>	Protect from sun. Store in a well-ventilated room (under 40°C). Guard against accumulations of this material on surfaces. Eliminate all sources of ignition.

# SAFETY DATA SHEET

**PRODUCT DISPOSAL** | 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**

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	Zinc alkyl salicylate	Confidential	Confidential

If any items in the table above are described as CONFIDENTIAL, Oki Electric Industry Co., Ltd. considers this information to constitute a Trade Secret.

Where Confidentiality is claimed, see SECTION 15 for further information required under the Government of Canada Hazardous Materials Information Review Act (HMIRA)

**SECTION 4: FIRST-AID MEASURES**

**EYES** | Remove contact lens immediately, if present and easy to remove. Immediately flush eyes with plenty of water for at least 15 minutes. If necessary, seek medical attention.

**SKIN** | Immediately take off all contaminated clothing. Wash affected area with mild soap and water. If irritation persists or other symptoms develop, seek medical attention. If medical attention



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	is not immediately available, contact POISON CONTROL CENTER (1-800-222-1222).
<b>INGESTION</b>	If the material is swallowed, get immediate medical attention or advice. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth to a victim who is unconscious or is having convulsions.
<b>INHALATION</b>	Move person to non-contaminated air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. If tightness or congestion develops, get medical attention.
<b>SYMPTOMS of EXPOSURE</b>	None known.
<b>NOTES to PHYSICIAN</b>	Provide general supportive measures and treat symptomatically.

<b>SECTION 5: FIRE-FIGHTING MEASURES</b>
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<b>FLAMMABLE PROPERTIES:</b>	Refer to SECTION 9: Physical and Chemical Properties
<b>HAZARDOUS PRODUCTS of COMBUSTION</b>	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.
<b>PROPERTIES THAT COULD INCREASE FIRE or EXPLOSION HAZARD</b>	Dusts at sufficient concentrations can form explosive mixtures with air.
<b>EXTINGUISHING MEDIA</b>	Water spray or powder
<b>FIRE-FIGHTING INSTRUCTIONS</b>	Firefighters should wear full protective clothing including self contained breathing apparatus.

**NFPA ratings are found in SECTION 16**

<b>SECTION 6: ACCIDENTAL RELEASE MEASURES</b>
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**FOR ALL TRANSPORTATION ACCIDENTS, call Chemtrec at 1-800-424-9300 or +1-703-741-5970 for international collect calls (in Mexico, call 800-681-9531)**

**RESPONSE TO SMALL SPILLS OF PRODUCT**

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

**RESPONSE TO LARGE SPILLS OF PRODUCT**

<b>SPILL CONTAINMENT</b>	Stop the flow of material, if this is without risk. Contain the discharged material. Remove sources of ignition.
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# SAFETY DATA SHEET

**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.

**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/m3 TWA (total dust); 5 mg/m3 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)/(% SiO2) mg/m3 TWA)	OSHA
Particles (insoluble or poorly soluble) Not Otherwise Specified (PNOS)	—	—	10 mg/m3 TWA (inhalable particles, recommended); 3 mg/m3 TWA (respirable particles, recommended)	ACGIH
Paraffin wax	8002-74-2	1 - 5	2 mg/m3 TWA (fume)	ACGIH

**SECTION 9: PHYSICAL and CHEMICAL PROPERTIES**

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

**SECTION 10: STABILITY and REACTIVITY**

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



# SAFETY DATA SHEET

**SECTION 12: ECOLOGICAL INFORMATION**

**UN GHS AQUATIC TOXICITY CLASSIFICATION INFORMATION**

<b>AQUATIC TOXICITY CLASSIFICATION</b>	Chronic 3
<b>SIGNAL WORD</b>	Not applicable
<b>HAZARD PICTOGRAM</b>	Not applicable
<b>HAZARD STATEMENT</b>	Harmful to aquatic life with long lasting effects
<b>PREVENTION</b>	Avoid release to the environment.
<b>RESPONSE</b>	Not applicable
<b>DISPOSAL</b>	Dispose of contents/container in accordance with local/regional/national/international regulation for hazardous wastes.

**ADDITIONAL ENVIRONMENTAL INFORMATION**

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

# SAFETY DATA SHEET

## SECTION 13: DISPOSAL CONSIDERATIONS

<b>WASTE DESCRIPTION</b>	Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.
<b>GENERAL DISPOSAL CONSIDERATIONS</b>	Clean up and dispose of waste in accordance with all federal, state, and local environmental regulations.
<b>DISPOSAL of EMPTY CONTAINERS</b>	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 CLASSIFICATION (49 CFR §172.101)

UN NUMBER	UN PROPER SHIPPING NAME	TECHNICAL NAME	HAZARD CLASS	PACKING GROUP	SHIPPING PLACARDS
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Not Regulated in Transportation

<b>SPECIAL PROVISIONS (§172.102)</b>	Not applicable
<b>PACKAGING, BULK (§173.***)</b>	Not applicable
<b>PACKAGING, NON-BULK (§173.***)</b>	Not applicable
<b>PACKAGING, EXCEPTIONS (§173.***)</b>	Not applicable
<b>QUANTITY LIMITATION, PASSENGER AIR/RAIL</b>	Not applicable
<b>QUANTITY LIMITATION, CARGO AIR</b>	Not applicable
<b>VESSEL STOWAGE, GENERAL</b>	Not applicable
<b>VESSEL STOWAGE SPECIAL</b>	Not applicable
<b>REPORTABLE QUANTITY (RQ)</b>	No reportable quantity for this product
<b>EMERGENCY RESPONSE GUIDEBOOK (ERG) REFERENCE</b>	Not applicable

### INTERNATIONAL BULK SHIPPING REQUIREMENTS (MARPOL 73/78)

<b>SHIPPING NAME</b>	No information available
<b>SHIP TYPE</b>	No information available
<b>POLLUTION CATEGORY</b>	No information available

# SAFETY DATA SHEET

**OTHER REGULATORY CLASSIFICATION INFORMATION**

	IATA	IMDG
<b>PROPER SHIPPING NAME</b>	Non-hazardous material	Non-hazardous material
<b>HAZARD CLASS</b>	Not applicable	Not applicable
<b>PACKING GROUP</b>	Not applicable	Not applicable

**SECTION 15: REGULATORY INFORMATION**

<b>TOXIC SUBSTANCES CONTROL ACT (TSCA)</b>	This product is listed on the U.S. EPA TSCA Inventory.
<b>TSCA 12b EXPORT NOTIFICATION (US)</b>	This product is not subject to TSCA 12B Export Notification requirements.
<b>SIGNIFICANT NEW USE RULE (US)</b>	This material is not subject to a Significant New Use Rule under the US Toxic Substances Control Act.
<b>TSCA 8b INVENTORY RESET STATUS (US)</b>	All substances present in this product have been designated as commercially ACTIVE on the United States TSCA inventory {15 U.S.C. §2607(b)(4)}
<b>DOMESTIC SUBSTANCE LIST (DSL - CA)</b>	This product contains components which have not been notified to the Canadian Environmental Protection Agency for inclusion on the Domestic Substance List.
<b>HAZARDOUS MATERIALS INFORMATION REVIEW ACT (CA)</b>	This product does not contain any materials for which a Confidential Business Information claim has been filed with Health Canada. Filing Date: Not applicable Reference Number: Not applicable
<b>SIGNIFICANT NEW USE ACTIVITIES (CA)</b>	The product contains no regulated components
<b>NATIONAL INVENTORY of CHEMICAL SUBSTANCES (MX)</b>	This material is not listed on the National Inventory of Chemical Substances (INSQ) of Mexico.

**INTERNATIONAL CHEMICAL INVENTORIES**

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

<b>ENCS</b>	Japan	Yes	
<b>REACH</b>	Europe	Not evaluated	
<b>EINECS</b>	Europe	Yes	
<b>ELINCS</b>	Europe	No	
<b>IECSC</b>	China	No	Simplified Notification (polymer)
<b>PICCS</b>	Philippines	No	
<b>ECL</b>	Korea	No	Exemption for Examination
<b>AICS</b>	Australia	Yes	
<b>TCSI</b>	Taiwan	Yes	

**APPLICABLE UNITED STATES FEDERAL and STATE REGULATIONS**

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

EHS COMPONENT	CASRN	PERCENT	TPQ POUNDS and RQ
The product contains no regulated components			

  

313 COMPONENTS	CASRN	PERCENT	REPORTING LIMIT
The product contains no regulated components			



# SAFETY DATA SHEET

CERCLA/SARA COMPONENTS	CASRN	PERCENT	REPORTING LIMIT
The product contains no regulated components			

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

**THE FOLLOWING COMPONENTS ARE IDENTIFIED UNDER THE US CLEAN AIR ACT HON-RULE FOR SOCM I CHEMICALS**

COMPONENT NAME	CASRN
The product contains no regulated components	

**THE FOLLOWING COMPONENTS ARE IDENTIFIED UNDER THE US CLEAN AIR ACT (VOCS IN SOCM I CHEMICALS)**

COMPONENT NAME	CASRN
The product contains no regulated components	

**THE FOLLOWING COMPONENTS ARE IDENTIFIED UNDER THE US CLEAN AIR ACT AS HAZARDOUS AIR POLLUTANTS (HAP)**

COMPONENT NAME	CASRN
The product contains no regulated components	

**THE FOLLOWING COMPONENTS ARE IDENTIFIED UNDER THE US CLEAN AIR ACT HON-RULE HAZARDOUS AIR POLLUTANTS (HAP)**

COMPONENT NAME	CASRN
The product contains no regulated components	

**THE FOLLOWING COMPONENTS ARE IDENTIFIED UNDER THE US 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 WATER and TOXIC ENFORCEMENT ACT of 1986 (Proposition 65)**

COMPONENT NAME	CASRN	CONCENTRATION <sup>‡</sup>	LIST DATA
This product contains no components which are listed on California's Proposition 65 lists.			

<sup>‡</sup> CONCENTRATIONS EXPRESSED IN % UNLESS UNITS ARE SPECIFIED

**APPLICABLE REGULATIONS OF THE GOVERNMENT OF CANADA**

**THE FOLLOWING COMPONENTS OF THIS PRODUCT ARE LISTED ON THE CANADIAN WHMIS INGREDIENT DISCLOSURE LIST (IDL)**

COMPONENT	CASRN	PERCENT	MINIMUM CONCENTRATION
The product contains no regulated components			

# SAFETY DATA SHEET

THE FOLLOWING COMPONENTS OF THIS PRODUCT ARE LISTED ON THE REVISED IN-COMMERCE LIST (R-ICL)

COMPONENT	CASRN
The product contains no regulated components	

THE FOLLOWING COMPONENTS OF THIS PRODUCT ARE LISTED ON THE ENVIRONMENTAL EMERGENCIES LIST

COMPONENT	CASRN
The product contains no regulated components	

## APPLICABLE REGULATIONS OF THE GOVERNMENT OF MEXICO

### ECOLOGICAL CRITERIA FOR WATER QUALITY

COMPONENT	CASRN	PERCENT	DATA	LIST
The product contains no regulated components				Protection of Marine Water
The product contains no regulated components				Protection of Fresh Water
The product contains no regulated components				Agricultural Irrigation
The product contains no regulated components				Drinking Water Supply Source

### POLLUTION RELEASE AND TRANSFER REGISTER

COMPONENT	CASRN	PERCENT	DATA	LIST
The product contains no regulated components				Reporting Emissions Threshold
The product contains no regulated components				Manufacturing, Processing Use Threshold

### THRESHOLD QUANTITIES OF HAZARDOUS CHEMICALS

COMPONENT	CASRN	PERCENT	DATA	LIST
The product contains no regulated components				Workplace Threshold

### SECRETARIAT OF LABOR AND SOCIAL WELFARE (STPS) - EXPOSURE LIMITS

COMPONENT	CASRN	DATA	LIST
Parafina	8002-74-2	2 mg/m <sup>3</sup> TWA VLE-PPT (fume)	TWA LIMIT
Partículas insolubles o poco solubles no especificadas de otra manera	—	10 mg/m <sup>3</sup> TWA VLE-PPT (inhalable fraction); 3 mg/m <sup>3</sup> TWA VLE-PPT (respirable fraction)	TWA LIMIT
The product contains no regulated components			STEL LIMITS
The product contains no regulated components			CEILING LIMITS
The product contains no regulated components			SKIN DESIGNATION
The product contains no regulated components			CARCINOGENS

# 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

# SAFETY DATA SHEET

## SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION

### PRODUCT IDENTIFIER

**PRODUCT NAME:** Magenta toner powder (cartridge) for  
LP844C, LP654C  
(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 Electric Industry Co., Ltd.  
1-7-12 Toranomon, Minato-ku, Tokyo, 105-8460, Japan  
Tel: +81 3-3501-3111

**SUPPLIER:** Oki Data Americas, Inc.  
8505 Freeport Pkwy, Suite 100 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

<b>HAZARD CLASSIFICATION</b>	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).
<b>SIGNAL WORD</b>	Not Applicable
<b>HAZARD STATEMENT</b>	Not applicable

### RECOMMENDED SAFETY PRECAUTIONS

<b>INJURY PREVENTION</b>	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.
<b>EMERGENCY RESPONSE</b>	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.
<b>PRODUCT STORAGE</b>	Protect from sun. Store in a well-ventilated room (under 40°C). Guard against accumulations of this material on surfaces.

# SAFETY DATA SHEET

Eliminate all sources of ignition.

**PRODUCT DISPOSAL** | 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**

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	Zinc alkyl salicylate	Confidential	Confidential

If any items in the table above are described as CONFIDENTIAL, Oki Electric Industry Co., Ltd. considers this information to constitute a Trade Secret.

Where Confidentiality is claimed, see SECTION 15 for further information required under the Government of Canada Hazardous Materials Information Review Act (HMIRA)

**SECTION 4: FIRST-AID MEASURES**

**EYES** | Remove contact lens immediately, if present and easy to remove. Immediately flush eyes with plenty of water for at least 15 minutes. If necessary, seek medical attention.

**SKIN** | Immediately take off all contaminated clothing. Wash affected area with mild soap and water.









# 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.

# SAFETY DATA SHEET

## SECTION 11: TOXICOLOGICAL INFORMATION

### ACUTE EFFECTS

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

### CHRONIC EFFECTS

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

<b>LD50 ORAL</b>	LD50 Oral Rat > 2000 mg/kg
<b>LD50 DERMAL</b>	No information available
<b>LC50 INHALATION</b>	LC50 Inhalation Rat > 5.07 mg/L/4 hour                      dusts, mists, fumes
<b>MEDICAL CONDITIONS AGGRAVATED by EXPOSURE</b>	Inhalation of this product may aggravate existing conditions of the respiratory system such as asthma or bronchitis
<b>ROUTES of ENTRY</b>	Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation.
<b>OTHER TOXICOLOGICAL INFORMATION</b>	Skin Corrosion/Irritation: Rabbit, 100%, 4 hr. semi-occluded application (OECD404): Non Irritant Serious Eye Damage/Irritation: Rabbit, 100%, OECD Guidelines No.405: Non Irritant Skin Sensitization: Mouse Local Lymph Node Assay (LLNA, OECD429) : Negative  SPECIFIC TARGET ORGAN TOXICITY (SE): wax - category 3 (respiratory tract irritant)

# SAFETY DATA SHEET

**SECTION 12: ECOLOGICAL INFORMATION**

**UN GHS AQUATIC TOXICITY CLASSIFICATION INFORMATION**

<b>AQUATIC TOXICITY CLASSIFICATION</b>	Chronic 3
<b>SIGNAL WORD</b>	Not applicable
<b>HAZARD PICTOGRAM</b>	Not applicable
<b>HAZARD STATEMENT</b>	Harmful to aquatic life
<b>PREVENTION</b>	Avoid release to the environment.
<b>RESPONSE</b>	Not applicable
<b>DISPOSAL</b>	Dispose of contents/container in accordance with local/regional/national/international regulation for hazardous wastes.

**ADDITIONAL ENVIRONMENTAL INFORMATION**

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

# SAFETY DATA SHEET

## SECTION 13: DISPOSAL CONSIDERATIONS

<b>WASTE DESCRIPTION</b>	Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.
<b>GENERAL DISPOSAL CONSIDERATIONS</b>	Clean up and dispose of waste in accordance with all federal, state, and local environmental regulations.
<b>DISPOSAL of EMPTY CONTAINERS</b>	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 CLASSIFICATION (49 CFR §172.101)

UN NUMBER	UN PROPER SHIPPING NAME	TECHNICAL NAME	HAZARD CLASS	PACKING GROUP	SHIPPING PLACARDS
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Not Regulated in Transportation

<b>SPECIAL PROVISIONS (§172.102)</b>	Not applicable
<b>PACKAGING, BULK (§173.***)</b>	Not applicable
<b>PACKAGING, NON-BULK (§173.***)</b>	Not applicable
<b>PACKAGING, EXCEPTIONS (§173.***)</b>	Not applicable
<b>QUANTITY LIMITATION, PASSENGER AIR/RAIL</b>	Not applicable
<b>QUANTITY LIMITATION, CARGO AIR</b>	Not applicable
<b>VESSEL STOWAGE, GENERAL</b>	Not applicable
<b>VESSEL STOWAGE SPECIAL</b>	Not applicable
<b>REPORTABLE QUANTITY (RQ)</b>	No reportable quantity for this product
<b>EMERGENCY RESPONSE GUIDEBOOK (ERG) REFERENCE</b>	Not applicable

### INTERNATIONAL BULK SHIPPING REQUIREMENTS (MARPOL 73/78)

<b>SHIPPING NAME</b>	No information available
<b>SHIP TYPE</b>	No information available
<b>POLLUTION CATEGORY</b>	No information available

# SAFETY DATA SHEET

## OTHER REGULATORY CLASSIFICATION INFORMATION

	IATA	IMDG
PROPER SHIPPING NAME	Non-hazardous material	Non-hazardous material
HAZARD CLASS	Not applicable	Not applicable
PACKING GROUP	Not applicable	Not applicable

## SECTION 15: REGULATORY INFORMATION

<b>TOXIC SUBSTANCES CONTROL ACT (TSCA)</b>	This product is listed on the U.S. EPA TSCA Inventory.
<b>TSCA 12b EXPORT NOTIFICATION (US)</b>	This product is not subject to TSCA 12B Export Notification requirements.
<b>SIGNIFICANT NEW USE RULE (US)</b>	This material is not subject to a Significant New Use Rule under the US Toxic Substances Control Act.
<b>TSCA 8b INVENTORY RESET STATUS (US)</b>	All substances present in this product have been designated as commercially ACTIVE on the United States TSCA inventory {15 U.S.C. §2607(b)(4)}
<b>DOMESTIC SUBSTANCE LIST (DSL - CA)</b>	This product contains components which have not been notified to the Canadian Environmental Protection Agency for inclusion on the Domestic Substance List.
<b>HAZARDOUS MATERIALS INFORMATION REVIEW ACT (CA)</b>	This product does not contain any materials for which a Confidential Business Information claim has been filed with Health Canada. Filing Date: Not applicable Reference Number: Not applicable
<b>SIGNIFICANT NEW USE ACTIVITIES (CA)</b>	The product contains no regulated components
<b>NATIONAL INVENTORY of CHEMICAL SUBSTANCES (MX)</b>	This material is not listed on the National Inventory of Chemical Substances (INSQ) of Mexico.

### INTERNATIONAL CHEMICAL INVENTORIES

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

<b>ENCS</b>	Japan	Yes	
<b>REACH</b>	Europe	Not evaluated	
<b>EINECS</b>	Europe	No	
<b>ELINCS</b>	Europe	Yes	
<b>IECSC</b>	China	No	Simplified Notification (polymer)
<b>PICCS</b>	Philippines	No	
<b>ECL</b>	Korea	No	Exemption for Examination
<b>AICS</b>	Australia	Yes	
<b>TCSI</b>	Taiwan	Yes	

### APPLICABLE UNITED STATES FEDERAL and STATE REGULATIONS

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

EHS COMPONENT	CASRN	PERCENT	TPQ POUNDS and RQ
The product contains no regulated components			
313 COMPONENTS	CASRN	PERCENT	REPORTING LIMIT
The product contains no regulated components			

# SAFETY DATA SHEET

CERCLA/SARA COMPONENTS	CASRN	PERCENT	REPORTING LIMIT
The product contains no regulated components			

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

**THE FOLLOWING COMPONENTS ARE IDENTIFIED UNDER THE US CLEAN AIR ACT HON-RULE FOR SOCM I CHEMICALS**

COMPONENT NAME	CASRN
The product contains no regulated components	

**THE FOLLOWING COMPONENTS ARE IDENTIFIED UNDER THE US CLEAN AIR ACT (VOCS IN SOCM I CHEMICALS)**

COMPONENT NAME	CASRN
The product contains no regulated components	

**THE FOLLOWING COMPONENTS ARE IDENTIFIED UNDER THE US CLEAN AIR ACT AS HAZARDOUS AIR POLLUTANTS (HAP)**

COMPONENT NAME	CASRN
The product contains no regulated components	

**THE FOLLOWING COMPONENTS ARE IDENTIFIED UNDER THE US CLEAN AIR ACT HON-RULE HAZARDOUS AIR POLLUTANTS (HAP)**

COMPONENT NAME	CASRN
The product contains no regulated components	

**THE FOLLOWING COMPONENTS ARE IDENTIFIED UNDER THE US 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 WATER and TOXIC ENFORCEMENT ACT of 1986 (Proposition 65)**

COMPONENT NAME	CASRN	CONCENTRATION <sup>‡</sup>	LIST DATA
This product contains no components which are listed on California's Proposition 65 lists.			

<sup>‡</sup> CONCENTRATIONS EXPRESSED IN % UNLESS UNITS ARE SPECIFIED

**APPLICABLE REGULATIONS OF THE GOVERNMENT OF CANADA**

**THE FOLLOWING COMPONENTS OF THIS PRODUCT ARE LISTED ON THE CANADIAN WHMIS INGREDIENT DISCLOSURE LIST (IDL)**

COMPONENT	CASRN	PERCENT	MINIMUM CONCENTRATION
The product contains no regulated components			

# SAFETY DATA SHEET

THE FOLLOWING COMPONENTS OF THIS PRODUCT ARE LISTED ON THE REVISED IN-COMMERCE LIST (R-ICL)

COMPONENT	CASRN
The product contains no regulated components	

THE FOLLOWING COMPONENTS OF THIS PRODUCT ARE LISTED ON THE ENVIRONMENTAL EMERGENCIES LIST

COMPONENT	CASRN
The product contains no regulated components	

## APPLICABLE REGULATIONS OF THE GOVERNMENT OF MEXICO

### ECOLOGICAL CRITERIA FOR WATER QUALITY

COMPONENT	CASRN	PERCENT	DATA	LIST
The product contains no regulated components				Protection of Marine Water
The product contains no regulated components				Protection of Fresh Water
The product contains no regulated components				Agricultural Irrigation
The product contains no regulated components				Drinking Water Supply Source

### POLLUTION RELEASE AND TRANSFER REGISTER

COMPONENT	CASRN	PERCENT	DATA	LIST
The product contains no regulated components				Reporting Emissions Threshold
The product contains no regulated components				Manufacturing, Processing Use Threshold

### THRESHOLD QUANTITIES OF HAZARDOUS CHEMICALS

COMPONENT	CASRN	PERCENT	DATA	LIST
The product contains no regulated components				Workplace Threshold

### SECRETARIAT OF LABOR AND SOCIAL WELFARE (STPS) - EXPOSURE LIMITS

COMPONENT	CASRN	DATA	LIST
Parafina	8002-74-2	2 mg/m <sup>3</sup> TWA VLE-PPT (fume)	TWA LIMIT
Partículas insolubles o poco solubles no especificadas de otra manera	—	10 mg/m <sup>3</sup> TWA VLE-PPT (inhalable fraction); 3 mg/m <sup>3</sup> TWA VLE-PPT (respirable fraction)	TWA LIMIT
The product contains no regulated components			STEL LIMITS
The product contains no regulated components			CEILING LIMITS
The product contains no regulated components			SKIN DESIGNATION
The product contains no regulated components			CARCINOGENS

# 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



# SAFETY DATA SHEET

**SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION**

**PRODUCT IDENTIFIER**

**PRODUCT NAME:** Cyan toner powder (cartridge) for LP844C, LP654C  
(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 Electric Industry Co., Ltd.  
1-7-12 Toranomom, Minato-ku, Tokyo, 105-8460, Japan  
Tel: +81 3-3501-3111

**SUPPLIER:** Oki Data Americas, Inc.  
8505 Freeport Pkwy, Suite 100 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**

<b>HAZARD CLASSIFICATION</b>	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).
<b>SIGNAL WORD</b>	Not Applicable
<b>HAZARD STATEMENT</b>	Not applicable

**RECOMMENDED SAFETY PRECAUTIONS**

<b>INJURY PREVENTION</b>	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.
<b>EMERGENCY RESPONSE</b>	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.  Protect from sun. Store in a well-ventilated room (under 40°C).

# SAFETY DATA SHEET

**PRODUCT STORAGE** | Guard against accumulations of this material on surfaces.  
Eliminate all sources of ignition.

**PRODUCT DISPOSAL** | 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**

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	Zinc alkyl salicylate	Confidential	Confidential

If any items in the table above are described as CONFIDENTIAL, Oki Electric Industry Co., Ltd. considers this information to constitute a Trade Secret.

Where Confidentiality is claimed, see SECTION 15 for further information required under the Government of Canada Hazardous Materials Information Review Act (HMIRA)

**SECTION 4: FIRST-AID MEASURES**

**EYES** | Remove contact lens immediately, if present and easy to remove. Immediately flush eyes with plenty of water for at least 15 minutes. If necessary, seek medical attention.

# SAFETY DATA SHEET

<b>SKIN</b>	Immediately take off all contaminated clothing. Wash affected area with mild soap and water. If irritation persists or other symptoms develop, seek medical attention. If medical attention is not immediately available, contact POISON CONTROL CENTER (1-800-222-1222).
<b>INGESTION</b>	If the material is swallowed, get immediate medical attention or advice. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth to a victim who is unconscious or is having convulsions.
<b>INHALATION</b>	Move person to non-contaminated air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. If tightness or congestion develops, get medical attention.
<b>SYMPTOMS of EXPOSURE</b>	None known.
<b>NOTES to PHYSICIAN</b>	Provide general supportive measures and treat symptomatically.

## SECTION 5: FIRE-FIGHTING MEASURES

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

NFPA ratings are found in SECTION 16

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**FOR ALL TRANSPORTATION ACCIDENTS, call Chemtrec at 1-800-424-9300 or +1-703-741-5970 for international collect calls (in Mexico, call 800-681-9531)**

### RESPONSE TO SMALL SPILLS OF PRODUCT

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

### RESPONSE TO LARGE SPILLS OF PRODUCT

<b>SPILL CONTAINMENT</b>	Stop the flow of material, if this is without risk. Contain the discharged material. Remove
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# SAFETY DATA SHEET

<b>SPILL CLEANUP PROCEDURES</b>	sources of ignition.
<b>REQUIRED EQUIPMENT</b>	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.
<b>ADDITIONAL INFORMATION</b>	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.
<b>ADDITIONAL INFORMATION</b>	No other spill procedures necessary.

**SECTION 7: HANDLING AND STORAGE**

<b>HANDLING REQUIREMENTS</b>	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.
<b>STORAGE REQUIREMENTS</b>	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**

<b>ENGINEERING CONTROLS</b>	Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits. Prevent electrostatic charge build-up by using common bonding and grounding techniques.
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**PERSONAL PROTECTIVE EQUIPMENT**

<b>EYE/FACE PROTECTION</b>	Wear dust goggles.
<b>HAND PROTECTION</b>	Use impervious gloves.
<b>SKIN PROTECTION</b>	Normal work clothing (long sleeved shirts and long pants) is recommended.
<b>RESPIRATORY PROTECTION</b>	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.
<b>OTHER</b>	Eyewash fountains and emergency showers are required.

# SAFETY DATA SHEET

**EXPOSURE LIMITS**

CHEMICAL	CASRN	PERCENT	LIMITS	AGENCY
Particulates not otherwise regulated	—	—	15 mg/m3 TWA (total dust); 5 mg/m3 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 <sub>2</sub> )) mg/m3 TWA)	OSHA
Particles (insoluble or poorly soluble) Not Otherwise Specified (PNOS)	—	—	10 mg/m3 TWA (inhalable particles, recommended); 3 mg/m3 TWA (respirable particles, recommended)	ACGIH
Paraffin wax	8002-74-2	1 - 5	2 mg/m3 TWA (fume)	ACGIH

**SECTION 9: PHYSICAL and CHEMICAL PROPERTIES**

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



# SAFETY DATA SHEET

**SECTION 12: ECOLOGICAL INFORMATION**

**UN GHS AQUATIC TOXICITY CLASSIFICATION INFORMATION**

<b>AQUATIC TOXICITY CLASSIFICATION</b>	Chronic 3
<b>SIGNAL WORD</b>	Not applicable
<b>HAZARD PICTOGRAM</b>	Not applicable
<b>HAZARD STATEMENT</b>	Harmful to aquatic life with long lasting effects
<b>PREVENTION</b>	Avoid release to the environment.
<b>RESPONSE</b>	Not applicable
<b>DISPOSAL</b>	Dispose of contents/container in accordance with local/regional/national/international regulation for hazardous wastes.

**ADDITIONAL ENVIRONMENTAL INFORMATION**

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



# SAFETY DATA SHEET

## SECTION 13: DISPOSAL CONSIDERATIONS

<b>WASTE DESCRIPTION</b>	Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.
<b>GENERAL DISPOSAL CONSIDERATIONS</b>	Clean up and dispose of waste in accordance with all federal, state, and local environmental regulations.
<b>DISPOSAL of EMPTY CONTAINERS</b>	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 CLASSIFICATION (49 CFR §172.101)

UN NUMBER	UN PROPER SHIPPING NAME	TECHNICAL NAME	HAZARD CLASS	PACKING GROUP	SHIPPING PLACARDS
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Not Regulated in Transportation

<b>SPECIAL PROVISIONS (§172.102)</b>	Not applicable
<b>PACKAGING, BULK (§173.***)</b>	Not applicable
<b>PACKAGING, NON-BULK (§173.***)</b>	Not applicable
<b>PACKAGING, EXCEPTIONS (§173.***)</b>	Not applicable
<b>QUANTITY LIMITATION, PASSENGER AIR/RAIL</b>	Not applicable
<b>QUANTITY LIMITATION, CARGO AIR</b>	Not applicable
<b>VESSEL STOWAGE, GENERAL</b>	Not applicable
<b>VESSEL STOWAGE SPECIAL</b>	Not applicable
<b>REPORTABLE QUANTITY (RQ)</b>	No reportable quantity for this product
<b>EMERGENCY RESPONSE GUIDEBOOK (ERG) REFERENCE</b>	Not applicable

### INTERNATIONAL BULK SHIPPING REQUIREMENTS (MARPOL 73/78)

<b>SHIPPING NAME</b>	No information available
<b>SHIP TYPE</b>	No information available
<b>POLLUTION CATEGORY</b>	No information available

# SAFETY DATA SHEET

## OTHER REGULATORY CLASSIFICATION INFORMATION

	IATA	IMDG
PROPER SHIPPING NAME	Non-hazardous material	Non-hazardous material
HAZARD CLASS	Not applicable	Not applicable
PACKING GROUP	Not applicable	Not applicable

## SECTION 15: REGULATORY INFORMATION

<b>TOXIC SUBSTANCES CONTROL ACT (TSCA)</b>	This product is listed on the U.S. EPA TSCA Inventory.
<b>TSCA 12b EXPORT NOTIFICATION (US)</b>	This product is not subject to TSCA 12B Export Notification requirements.
<b>SIGNIFICANT NEW USE RULE (US)</b>	This material is not subject to a Significant New Use Rule under the US Toxic Substances Control Act.
<b>TSCA 8b INVENTORY RESET STATUS (US)</b>	All substances present in this product have been designated as commercially ACTIVE on the United States TSCA inventory {15 U.S.C. §2607(b)(4)}
<b>DOMESTIC SUBSTANCE LIST (DSL - CA)</b>	This product contains components which have not been notified to the Canadian Environmental Protection Agency for inclusion on the Domestic Substance List.
<b>HAZARDOUS MATERIALS INFORMATION REVIEW ACT (CA)</b>	This product does not contain any materials for which a Confidential Business Information claim has been filed with Health Canada. Filing Date: Not applicable Reference Number: Not applicable
<b>SIGNIFICANT NEW USE ACTIVITIES (CA)</b>	The product contains no regulated components
<b>NATIONAL INVENTORY of CHEMICAL SUBSTANCES (MX)</b>	This material is not listed on the National Inventory of Chemical Substances (INSQ) of Mexico.

### INTERNATIONAL CHEMICAL INVENTORIES

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

<b>ENCS</b>	Japan	Yes	
<b>REACH</b>	Europe	Not evaluated	
<b>EINECS</b>	Europe	Yes	
<b>ELINCS</b>	Europe	No	
<b>IECSC</b>	China	No	Simplified Notification (polymer)
<b>PICCS</b>	Philippines	No	
<b>ECL</b>	Korea	No	Exemption for Examination
<b>AICS</b>	Australia	Yes	
<b>TCSI</b>	Taiwan	Yes	

### APPLICABLE UNITED STATES FEDERAL and STATE REGULATIONS

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

EHS COMPONENT	CASRN	PERCENT	TPQ POUNDS and RQ
The product contains no regulated components			
313 COMPONENTS	CASRN	PERCENT	REPORTING LIMIT
The product contains no regulated components			

# SAFETY DATA SHEET

CERCLA/SARA COMPONENTS	CASRN	PERCENT	REPORTING LIMIT
The product contains no regulated components			

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

**THE FOLLOWING COMPONENTS ARE IDENTIFIED UNDER THE US CLEAN AIR ACT HON-RULE FOR SOCM I CHEMICALS**

COMPONENT NAME	CASRN
The product contains no regulated components	

**THE FOLLOWING COMPONENTS ARE IDENTIFIED UNDER THE US CLEAN AIR ACT (VOCS IN SOCM I CHEMICALS)**

COMPONENT NAME	CASRN
The product contains no regulated components	

**THE FOLLOWING COMPONENTS ARE IDENTIFIED UNDER THE US CLEAN AIR ACT AS HAZARDOUS AIR POLLUTANTS (HAP)**

COMPONENT NAME	CASRN
The product contains no regulated components	

**THE FOLLOWING COMPONENTS ARE IDENTIFIED UNDER THE US CLEAN AIR ACT HON-RULE HAZARDOUS AIR POLLUTANTS (HAP)**

COMPONENT NAME	CASRN
The product contains no regulated components	

**THE FOLLOWING COMPONENTS ARE IDENTIFIED UNDER THE US 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 WATER and TOXIC ENFORCEMENT ACT of 1986 (Proposition 65)**

COMPONENT NAME	CASRN	CONCENTRATION <sup>‡</sup>	LIST DATA
This product contains no components which are listed on California's Proposition 65 lists.			

<sup>‡</sup> CONCENTRATIONS EXPRESSED IN % UNLESS UNITS ARE SPECIFIED

**APPLICABLE REGULATIONS OF THE GOVERNMENT OF CANADA**

**THE FOLLOWING COMPONENTS OF THIS PRODUCT ARE LISTED ON THE CANADIAN WHMIS INGREDIENT DISCLOSURE LIST (IDL)**

COMPONENT	CASRN	PERCENT	MINIMUM CONCENTRATION
The product contains no regulated components			

# SAFETY DATA SHEET

THE FOLLOWING COMPONENTS OF THIS PRODUCT ARE LISTED ON THE REVISED IN-COMMERCE LIST (R-ICL)

COMPONENT	CASRN
The product contains no regulated components	

THE FOLLOWING COMPONENTS OF THIS PRODUCT ARE LISTED ON THE ENVIRONMENTAL EMERGENCIES LIST

COMPONENT	CASRN
The product contains no regulated components	

## APPLICABLE REGULATIONS OF THE GOVERNMENT OF MEXICO

### ECOLOGICAL CRITERIA FOR WATER QUALITY

COMPONENT	CASRN	PERCENT	DATA	LIST
The product contains no regulated components				Protection of Marine Water
The product contains no regulated components				Protection of Fresh Water
The product contains no regulated components				Agricultural Irrigation
The product contains no regulated components				Drinking Water Supply Source

### POLLUTION RELEASE AND TRANSFER REGISTER

COMPONENT	CASRN	PERCENT	DATA	LIST
The product contains no regulated components				Reporting Emissions Threshold
The product contains no regulated components				Manufacturing, Processing Use Threshold

### THRESHOLD QUANTITIES OF HAZARDOUS CHEMICALS

COMPONENT	CASRN	PERCENT	DATA	LIST
The product contains no regulated components				Workplace Threshold

### SECRETARIAT OF LABOR AND SOCIAL WELFARE (STPS) - EXPOSURE LIMITS

COMPONENT	CASRN	DATA	LIST
Parafina	8002-74-2	2 mg/m3 TWA VLE-PPT (fume)	TWA LIMIT
Partículas insolubles o poco solubles no especificadas de otra manera	—	10 mg/m3 TWA VLE-PPT (inhalable fraction); 3 mg/m3 TWA VLE-PPT (respirable fraction)	TWA LIMIT
The product contains no regulated components			STEL LIMITS
The product contains no regulated components			CEILING LIMITS
The product contains no regulated components			SKIN DESIGNATION
The product contains no regulated components			CARCINOGENS

# 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