Conforms to US OSHA Hazard Communication 29CFR1910.1200



**SAFETY DATA SHEET** 

456K Toner

Section 1. Identification			
GHS product identifier	: 456K Toner		
Product type	: Powder.		
Description :	Part number :		
Toner ASM 456K SS Toner ASM 456K DR	15S456K 15S455K		
For actual printer/cartridge	compatibility please reference www.lexmark.com		
Application	: Laser Printer C2132, CS310, CS410, CS510, CX310, CX410, CX510, XC2130, XC2132		
Supplier's details	: Lexmark International, Inc. 740 West New Circle Road Lexington, Ky 40550		
e-mail address of person responsible for this SDS	: rcassidy@lexmark.com		
Emergency telephone number (with hours of operation)	: Informations :1-859-232-2000 Emergency :1-859-232-3333		
. ,	ChemTel: US/Canada/Puerto Rico 1-800-255-3924 International 1-813-248-0585 (Collect calls accepted) 24/7		

# Section 2. Hazards identification

OSHA/HCS status	: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification of the substance or mixture	: COMBUSTIBLE DUSTS
	Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 15.5%
GHS label elements	
Signal word	: Warning
Hazard statements	: May form combustible dust concentrations in air.
Precautionary statements	
General	: Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.
Prevention	: Not applicable.
Response	: Not applicable.
Storage	: Not applicable.
Disposal	: Not applicable.
Supplemental label elements	: Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Prevent dust accumulation.

# Section 2. Hazards identification

Hazards not otherwise	
classified	

: Fine dust clouds may form explosive mixtures with air. Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat.

# Section 3. Composition/information on ingredients

Substance/mixture : Mixture		
Ingredient name	%	CAS number
	≥5 - <10 ≥0.3 - <1	1333-86-4 13463-67-7

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

# Section 4. First aid measures

#### Description of necessary first aid measures

Eye contact	: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Skin contact	: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Eye contact	: Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.
Inhalation	: Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.
Skin contact	: No known significant effects or critical hazards.
Ingestion	: No known significant effects or critical hazards.
Over-exposure signs/sv	mptoms

# Section 4. First aid measures

Eye contact: Adverse symptoms may include the following: irritation rednessInhalation: Adverse symptoms may include the following: respiratory tract irritation coughingSkin contact: No specific data.Ingestion: No specific data.Indication of immediate medical attention and special treatment needed. if necessaryNotes to physician: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.Specific treatments: No specific treatment.Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.		
Skin contact: No specific data.Ingestion: No specific data.Indication of immediate medical attention and special treatment needed. if necessaryNotes to physician: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.Specific treatments: No specific treatment.Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training. It may	Eye contact	irritation
Ingestion: No specific data.Indication of immediate medical attention and special treatment needed. if necessaryNotes to physician: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.Specific treatments: No specific treatment.Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training. It may	Inhalation	respiratory tract irritation
Indication of immediate medical attention and special treatment needed, if necessaryNotes to physician: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.Specific treatments: No specific treatment.Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training. It may	Skin contact	: No specific data.
Notes to physician: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.Specific treatments: No specific treatment.Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training. It may	Ingestion	: No specific data.
Specific treatments: No specific treatment.Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training. It may	Indication of immediate me	dical attention and special treatment needed, if necessary
Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. It may	Notes to physician	
	Specific treatments	: No specific treatment.
	Protection of first-aiders	

See toxicological information (Section 11)

# Section 5. Fire-fighting measures

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Extinguishing media	
Suitable extinguishing media	: Use dry chemical powder.
Unsuitable extinguishing media	: Do not use water jet.
Specific hazards arising from the chemical	: Fine dust clouds may form explosive mixtures with air.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides metal oxide/oxides
Special protective actions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

# Section 6. Accidental release measures

Personal precautions. protect	ive equipment	and emergency proce	dures			
For non-emergency personnel	Evacuate su entering. D No flares, si ventilation.	nall be taken involving an urrounding areas. Keep u o not touch or walk throu moking or flames in haza Wear appropriate respira personal protective equip	nnecessary and unp gh spilled material. S rd area. Avoid breat ator when ventilation	orotected person Shut off all igniti hing dust. Prov	nnel from ion source: /ide adequa	
For emergency responders		on suitable and unsuitab				
Date of issue/Date of revision	: 4/29/2015.	Date of previous issue	: 4/15/2015.	Version	:3	3/11

# Section 6. Accidental release measures

Environmental precautions	: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods and materials for co	ontainment and cleaning up
Small spill	: Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
Large spill	: Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Avoid creating dusty conditions and prevent wind dispersal. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

# Section 7. Handling and storage

#### Precautions for safe handling

Protective measures	:	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Prevent dust accumulation. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene	:	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	:	Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

# Section 8. Exposure controls/personal protection

#### Control parameters Occupational exposure limits

:4/15/2015.

# Section 8. Exposure controls/personal protection

Ingredient name	<b>Exposure limits</b>
carbon black	ACGIH TLV (United States, 4/2014).
	TWA: 3 mg/m <sup>3</sup> 8 hours. Form: Inhalable
	fraction
	NIOSH REL (United States, 10/2013).
	TWA: 3.5 mg/m <sup>3</sup> 10 hours.
	TWA: 0.1 mg of PAHs/cm <sup>3</sup> 10 hours.
	OSHA PEL (United States, 2/2013).
	TWA: 3.5 mg/m <sup>3</sup> 8 hours.
	OSHA PEL 1989 (United States, 3/1989).
	TWA: 3.5 mg/m <sup>3</sup> 8 hours.
itanium dioxide	ACGIH TLV (United States, 4/2014).
	TWA: 10 mg/m <sup>3</sup> 8 hours.
	OSHA PEL 1989 (United States, 3/1989).
	TWA: 10 mg/m <sup>3</sup> 8 hours. Form: Total dust
	OSHA PEL (United States, 2/2013).
	TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust

Appropriate engineering controls	:	se only with adequate ventilation. If use r mist, use process enclosures, local ex b keep worker exposure to airborne cont mits. The engineering controls also nee elow any lower explosive limits. Use ex	haust ventilation or other engined aminants below any recommend of to keep gas, vapor or dust con	ering controls ded or statutory centrations
Environmental exposure controls	:	missions from ventilation or work proces ney comply with the requirements of env ases, fume scrubbers, filters or enginee rill be necessary to reduce emissions to	ironmental protection legislation. ring modifications to the process	. In some
Individual protection measu	<u>ires</u>			
Hygiene measures	:	/ash hands, forearms and face thorougl ating, smoking and using the lavatory ar ppropriate techniques should be used to /ash contaminated clothing before reus howers are close to the workstation loca	nd at the end of the working period or remove potentially contaminate ing. Ensure that eyewash statior	od. ed clothing.
Eye/face protection	:	afety eyewear complying with an approven ssessment indicates this is necessary to ases or dusts. If contact is possible, the ne assessment indicates a higher degree hields. If operating conditions cause high ust goggles.	<ul> <li>avoid exposure to liquid splashe</li> <li>following protection should be v</li> <li>e of protection: safety glasses w</li> </ul>	es, mists, vorn, unless rith side-
Skin protection				
Hand protection	:	hemical-resistant, impervious gloves co orn at all times when handling chemical ecessary. Considering the parameters uring use that the gloves are still retainin oted that the time to breakthrough for ar love manufacturers. In the case of mixt rotection time of the gloves cannot be a	I products if a risk assessment in specified by the glove manufactu- ng their protective properties. It s ny glove material may be differen ures, consisting of several substa	dicates this is urer, check should be nt for different
Body protection	:	ersonal protective equipment for the bo erformed and the risks involved and sho andling this product.		
Other skin protection	:	ppropriate footwear and any additional s ased on the task being performed and t pecialist before handling this product.		
Date of issue/Date of revision		4/29/2015. Date of previous issue	: 4/15/2015. Version	:3 5/11

# Section 8. Exposure controls/personal protection

Respiratory protection

: Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

# Section 9. Physical and chemical properties

Appearance	
Physical state	: Solid (Finely divided solid.)
Color	: Black.
Odor	: Faint odor (Plastic.)
Odor threshold	: Not available.
рН	: Not available.
Melting point	: Not determined.
Boiling point	: Not available.
Flash point	: Not available.
Burning time	: Not available.
Burning rate	: Not available.
Evaporation rate	: Not applicable.
Flammability (solid, gas)	: Not available.
Lower and upper explosive (flammable) limits	: Not available.
Vapor pressure	: Not available.
Vapor density	: Not applicable.
Relative density	: Not determined.
Solubility	: Not available.
Solubility in water	: Not available.
Partition coefficient: n- octanol/water	: Not available.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
SADT	: Not available.
Viscosity	: Not available.

# Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Prevent dust accumulation.

# Section 10. Stability and reactivity

Incompatible materials	: Reactive or incompatible with the following materials: oxidizing materials
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

# Section 11. Toxicological information

#### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
carbon black 456K Toner	LD50 Oral LD50 Oral		>15400 mg/kg >5000 mg/kg	-

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
titanium dioxide	Skin - Mild irritant	Human	-	72 hours 300 Micrograms Intermittent	-

#### **Sensitization**

Not available.

#### **Mutagenicity**

Product/ingredient name	Test	Experiment	Result
456K Toner	OECD 471 Bacterial Reverse Mutation Test	Subject: Bacteria	Negative
Conclusion/Summary	: Not mutagenic in Ames	test.	

#### **Carcinogenicity**

Not available.

**Conclusion/Summary** 

: Low acute inhalation toxicity. As with exposure to high concentrations of any dust, minimal irritation of the respiratory tract may occur. Pure carbon black and titanium dioxide, minor components of this product, has been listed by IARC as a group 2B (possible carcinogen). This classification is based on rat "lung particulate overload" studies performed with airborne particulate. Toner is not listed by IARC, NTP, or OSHA.

#### **Classification**

Product/ingredient name	OSHA	IARC	NTP
carbon black titanium dioxide	-	2B 2B	-

#### Reproductive toxicity

Not available.

#### **Teratogenicity**

Not available.

#### Specific target organ toxicity (single exposure)

Not available.

#### Specific target organ toxicity (repeated exposure)

# Section 11. Toxicological information

Name		Route of exposure	Target organs
carbon black	Category 1	Not determined	lungs

# Aspiration hazard

Not available.

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Information on the likely routes of exposure	: Routes of entry anticipated: Dermal, Inhalation.
Potential acute health effects	
Eye contact	: Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.
Inhalation	: Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.
Skin contact	: No known significant effects or critical hazards.
Ingestion	: No known significant effects or critical hazards.
Symptoms related to the phy	sical. chemical and toxicological characteristics
Eye contact	: Adverse symptoms may include the following: irritation redness
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing
Skin contact	: No specific data.
Ingestion	: No specific data.
Ingestion Delayed and immediate effec	•
Ingestion Delayed and immediate effect Short term exposure Potential immediate	: No specific data.
Ingestion <u>Delayed and immediate effec</u> <u>Short term exposure</u> Potential immediate effects	<ul> <li>No specific data.</li> <li>ts and also chronic effects from short and long term exposure</li> <li>Not available.</li> </ul>
Ingestion <u>Delayed and immediate effect</u> <u>Short term exposure</u> Potential immediate effects Potential delayed effects	: No specific data.
Ingestion <u>Delayed and immediate effec</u> <u>Short term exposure</u> Potential immediate effects	<ul> <li>No specific data.</li> <li>ts and also chronic effects from short and long term exposure</li> <li>Not available.</li> </ul>
Ingestion Delayed and immediate effect Short term exposure Potential immediate effects Potential delayed effects Long term exposure Potential immediate effects	<ul> <li>No specific data.</li> <li>ts and also chronic effects from short and long term exposure</li> <li>Not available.</li> <li>Not available.</li> </ul>
Ingestion Delayed and immediate effect Short term exposure Potential immediate effects Potential delayed effects Long term exposure Potential immediate	<ul> <li>No specific data.</li> <li>the second control of the seco</li></ul>
Ingestion  Delayed and immediate effect Short term exposure Potential immediate effects Potential delayed effects Long term exposure Potential immediate effects Potential delayed effects Potential delayed effects	<ul> <li>No specific data.</li> <li>the second control of the seco</li></ul>
Ingestion Delaved and immediate effect Short term exposure Potential immediate effects Potential delayed effects Long term exposure Potential immediate effects Potential delayed effects Potential delayed effects Potential delayed effects Potential chronic health effe	<ul> <li>No specific data.</li> <li>the second control of the seco</li></ul>
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Ingestion Delayed and immediate effect Short term exposure Potential immediate effects Potential delayed effects Long term exposure Potential immediate effects Potential delayed effects Potential delayed effects Cotential chronic health effect Not available. General	<ul> <li>No specific data.</li> <li>tts and also chronic effects from short and long term exposure</li> <li>Not available.</li> <li>Not available.</li> <li>Not available.</li> <li>Not available.</li> <li>Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.</li> </ul>
Ingestion Delayed and immediate effect Short term exposure Potential immediate effects Potential delayed effects Long term exposure Potential immediate effects Potential delayed effects Potential delayed effects Potential chronic health effe Not available. General Carcinogenicity	<ul> <li>No specific data.</li> <li>Not available.</li> <li>Not available.</li></ul>
Ingestion Delayed and immediate effect Short term exposure Potential immediate effects Potential delayed effects Long term exposure Potential immediate effects Potential delayed effects Potential delayed effects Cotential chronic health effect Not available. General Carcinogenicity Mutagenicity	<ul> <li>No specific data.</li> <li>ts and also chronic effects from short and long term exposure</li> <li>Not available.</li> <li>Not available.</li> <li>Not available.</li> <li>Not available.</li> <li>ects</li> </ul> Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation. No known significant effects or critical hazards. No known significant effects or critical hazards. Toner is negative (nonmutagenic) in th Ames assay.

### Acute toxicity estimates

Date of	issue/Date	of rovision
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: 4/29/2015.

# Section 11. Toxicological information

Not available.

# Section 12. Ecological information

Toxicity				
Product/ingredient name	Result	Species	Exposure	
carbon black	Acute EC50 37.563 mg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours	
titanium dioxide	Acute LC50 3 mg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours	
	Acute LC50 6.5 mg/l Fresh water	Daphnia - Daphnia pulex - Neonate	48 hours	
	Acute LC50 >1000000 µg/l Marine water	Fish - Fundulus heteroclitus	96 hours	
456K Toner	Acute EC50 >1000 mg/l	Daphnia	24 hours	
	Acute EC50 >1000 mg/l	Daphnia	48 hours	

#### Persistence and degradability

Not available.

#### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
titanium dioxide	-	352	low

#### **Mobility in soil**

Soil/water partition	: Not available.
coefficient (Koc)	

Other adverse effects

: No known significant effects or critical hazards.

# Section 13. Disposal considerations

**Disposal methods** 

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Date of issue/Date of revision	: 4/29/2015.	Date of previous issue	: 4/15/2015.	Version : 3	9/11

# Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	ADR/RID	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-	-	-
Transport hazard class(es)	-	-	-	-	-	-
Packing group	-	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.	No.
Additional information	-	-	-	-	-	-

Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

: Not available. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

# Section 15. Regulatory information

United States	
TSCA (USA)	: All ingredients are listed on the Toxic Substances Control Act (TSCA) inventory, have been registered, or are exempt.
SARA / EPCRA (USA)	: None of the ingredients in this product has a final reportable quantity (RQ) under Emergency Planning and Community Right-to Know Act (EPCRA)- Section 302: Extremely Hazardous Substances (EHS) or notification requirements for EHS under Section 304.
California Prop. 65	: This product contains no known materials at levels which the State of California has found to cause cancer, birth defects or other reproductive harm - California Proposition 65.
International regulations lists	
EINECS (Europe)	: All ingredients are listed on the European Inventory of Existing Commercial Substances (EINECS) list, have been registered on the European List of New Chemical Substances (ELINCS), or are exempt.
REACH Status	: EU (REACH): All components of the toner formulation are registered, pre-registered or exempt under REACH. Pre-registered chemicals will be registered between 2011 and 2018.
ENCS (Japan)	: All ingredients are listed on the Japanese Existing and New Chemical Substances (ENCS) list, have been registered, or are exempt.
AICS (Australia)	: All ingredients are listed in Australian Inventory of Chemical Substances (AICS), have been registered, or are exempt.
Philippines inventory (PICCS)	: All ingredients are listed on the Philippines Inventory (PICCS) or are exempt.

# Section 15. Regulatory information

Korea inventory (KECI)	: All ingredients are listed on the Korean Existing Chemicals List (ECL), have been registered, or are exempt.
China inventory (IECSC)	: All ingredients are listed on the Chinese inventory (IECSC) or are exempt.
Canada	
WHMIS (Canada)	: Not controlled under WHMIS (Canada).
DSL/NDSL	: All ingredients are listed on the Canadian Domestic Substances List (DSL), have been registered on the Non-Domestic Substances List (NDSL), or are exempt.
Mexico Classification	: Health: 1 Flammability: 1 Reactivity: 0

# Section 16. Other information

<u>History</u>	
Date of issue/Date of revision	: 4/29/2015.
Date of previous issue	: 4/15/2015.
Version	: 3
Key to abbreviations	<ul> <li>ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Internediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations</li> </ul>
References	<ul> <li>HCS (U.S.A.)- Hazard Communication Standard International transport regulations IATA Dangerous Goods Regulation (DGR) 55th Edition 2014</li> </ul>

#### ✓ Indicates information that has changed from previously issued version.

#### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.