Conforms to US OSHA Hazard Communication 29CFR1910.1200



SAFETY DATA SHEET

456K Toner

| Section 1. Identif | fication | | | | | |
|--|--|--|--|--|--|--|
| GHS product identifier | : 456K Toner | | | | | |
| Product type | : Powder. I T E M 1 4 6 7 2 0 8 | | | | | |
| 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 CS310, CS410, CS510, CX310, CX410, CX510 | | | | | |
| 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. Hazar | ds 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 |
| carbon black titanium dioxide | ≥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 | | plenty of water, occasionally lifting the upper and lower ove any contact lenses. Continue to rinse for at least 10 ion if irritation occurs. |
|--------------|---|---|
| Inhalation | breathing, if breathing is piration or oxygen by trai to give mouth-to-mouth sist or are severe. If unc ention immediately. Main belt or waistband. In cas | nd keep at rest in a position comfortable for breathing. If irregular or if respiratory arrest occurs, provide artificial ned personnel. It may be dangerous to the person providing esuscitation. Get medical attention if adverse health effects onscious, place in recovery position and get medical tain an open airway. Loosen tight clothing such as a collar, se of inhalation of decomposition products in a fire, The exposed person may need to be kept under medical |
| Skin contact | | n plenty of water. Remove contaminated clothing and n if symptoms occur. Wash clothing before reuse. Clean se. |
| Ingestion | ep at rest in a position col exposed person is consi- posed person feels sick a ess directed to do so by r ot low so that vomit does ects persist or are severe nconscious, place in reco | Remove dentures if any. Remove victim to fresh air and nfortable for breathing. If material has been swallowed and clous, give small quantities of water to drink. Stop if the s vomiting may be dangerous. Do not induce vomiting nedical personnel. If vomiting occurs, the head should be not enter the lungs. Get medical attention if adverse health . Never give anything by mouth to an unconscious person. overy position and get medical attention immediately. bosen tight clothing such as a collar, tie, belt or waistband. |

| Eye contact | Exposure to airborne concentrations above statutory or recommended exposure limit may cause irritation of the eyes. |
|--------------|---|
| Inhalation | : Exposure to airborne concentrations above statutory or recommended exposure limit 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. |

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|---|--------------------------------|--------------|------------------------|--------------|-------------|------|
|---|--------------------------------|--------------|------------------------|--------------|-------------|------|

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 treatmentsThe exposed person may need to be kept under medical surveillance for 48 hours.Specific treatmentsNo specific treatment.Protection of first-aidersNo 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

| | - |
|--|--|
| 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 | tive equipmen | t and emergency proce | edures | | |
|--------------------------------|--|--|---|---|---------------------------------------|
| For non-emergency personnel | Evacuate su entering. D No flares, s ventilation. | nall be taken involving ar urrounding areas. Keep o not touch or walk throu moking or flames in haza Wear appropriate respir personal protective equi | unnecessary and un igh spilled material. ard area. Avoid breat ator when ventilation | protected person Shut off all ignitio thing dust. Provi | nel from n sources. de adequate |
| For emergency responders | | d clothing is required to on suitable and unsuital personnel". | | | |
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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 | ont | ainment 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

<u>Control parameters</u> <u>Occupational exposure limits</u>

Section 8. Exposure controls/personal protection

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

| Appropriate engineering controls | : | Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment. |
|----------------------------------|------|--|
| Environmental exposure controls | : | Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. |
| Individual protection measu | ures | |
| Hygiene measures | : | Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. |
| Eye/face protection | : | Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields. If operating conditions cause high dust concentrations to be produced, use dust goggles. |
| Skin protection | | |
| Hand protection | : | Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. |
| Body protection | : | Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. |
| Other skin protection | : | Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. |
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Section 8. Exposure controls/personal protection

| Resp | iratory | 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 | - 1 | Faint odor (Plastic.) |
| Odor threshold | 1 | Not available. |
| pH | 1 | Not available. |
| Melting point | 1 | Not determined. |
| Boiling point | 1 | Not available. |
| Flash point | 1 | Not available. |
| Burning time | 1 | Not available. |
| Burning rate | ÷ | Not available. |
| Evaporation rate | 4 | Not applicable. |
| Flammability (solid, gas) | 1 | Not available. |
| Lower and upper explosive (flammable) limits | 1 | 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 | | | - |

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. | | | | | |

Conclusion/Summary

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)

| 456K Toner | | | | |
|--|---|--|-------------------------|----------------------|
| Section 11. Toxico | ological inform | nation | | |
| Name | | Category | Route of exposure | Target organs |
| carbon black | | Category 1 | Not determined | lungs |
| Aspiration hazard | | | | • |
| Not available. | | | | |
| Information on the likely routes of exposure | : Routes of entry anti | cipated: Dermal, Inhalati | on. | |
| Potential acute health effect | <u>s</u> | | | |
| Eye contact | : Exposure to airborn may cause irritation | e concentrations above a of the eyes. | statutory or recomme | nded exposure limit |
| Inhalation | | e concentrations above a of the nose, throat and I | | nded exposure limit |
| Skin contact | | t effects or critical hazar | • | |
| Ingestion | - | t effects or critical hazar | | |
| Symptoms related to the phy | veical chemical and to | vicological characteric | tics | |
| Eye contact | | may include the following | | |
| | irritation redness | may mendee the following | 9. | |
| Inhalation | : Adverse symptoms respiratory tract irrit coughing | may include the following ation | g: | |
| Skin contact | : No specific data. | | | |
| Ingestion | : No specific data. | | | |
| Delayed and immediate effe | cts and also chronic ef | fects from short and lo | ng term exposure | |
| Short term exposure | | | | |
| Potential immediate effects | : Not available. | | | |
| Potential delayed effects | : Not available. | | | |
| Long term exposure | | | | |
| Potential immediate effects | : Not available. | | | |
| Potential delayed effects | : Not available. | | | |
| Potential chronic health eff | ects | | | |
| Not available. | | | | |
| General | : Repeated or prolong | ged inhalation of dust ma | ay lead to chronic resp | piratory irritation. |
| Carcinogenicity | : No known significar | nt effects or critical hazar | rds. | |
| Mutagenicity | : No known significar Ames assay. | nt effects or critical hazar | ds. Toner is negative | (nonmutagenic) in |
| Teratogenicity | : No known significar | nt effects or critical hazar | ds. | |
| Developmental effects | : No known significar | nt effects or critical hazar | ds. | |
| Fertility effects | : No known significar | nt effects or critical hazar | rds. | |
| | | | | |

Acute toxicity estimates

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Section 11. Toxicological information

Not available.

Section 12. Ecological information

| 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

: 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.

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|--------------------------------|--------------|------------------------|--------------|-------------|------|

Disposal methods

Section 14. Transport information

| | - | | | | | |
|-------------------------------|-----------------------|-----------------------|--------------------------|----------------|----------------|----------------|
| | DOT Classification | TDG Classification | Mexico Classification | ADR/RID | IMDG | ΙΑΤΑ |
| 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.

Transport in bulk according : Not available. 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 list | sts |
| 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. |
| | |

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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 | ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = International Air Transport Association IBC = 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 |
| References | : HCS (U.S.A.)- Hazard Communication Standard International transport regulations IATA Dangerous Goods Regulation (DGR) 55th Edition 2014 |

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.