1. IDENTIFICATION OF THE SUBSTANCE PREPARATION AND COMPANY UNDERTAKING

1.1 PRODUCT IDENTIFIER

Product name: Lexmark OptraS - Toner Cartridge Replacement

Part number: KF02371 - 59220QCN

1.2 IDENTIFIED USES AND USES ADVISED AGAINST

For use in: Laser Toner

1.3 SUPPLIER DETAILS

Supplier: Interaction-Connect S.A.
296-298 route de Longwy
L-1940 Luxembourg
Luxembourg
Phone number: +32 9 380 8248
Fax:

E-mail: info@interaction-connect.com

Contact Hours: 09h-17h GMT

1.4 EMERGENCY TELEPHONE NUMBERS

Supplier: +32 9 380 8248

Emergency Hours: 9 AM – 17 PM
European Emergency: +351 252 640 230

* This document provides safety-related information about toner contained in print cartridge for use in laser printer

2. HAZARDS IDENTIFICATION

2.1 INFORMATION and CLASSIFICATION

Overview: Product is stable, non-flammable. If used as intended, the product does not present an acute or chronic health problem. This health hazard assessment is based on information that is available on the properties of its components.

2.2 LABEL ELEMENTS

Applicable Pictograms:

Danger Indications: N/A

Risk Phrases: N/A

Safety Phrases: N/A

2.3 OTHER HAZARDS

PBT or vPvB: N/A

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS number	Weight %	EC Number	Reach (pre/registration) Number	Index number	OSHA PEL	ACGIH TLV	EU Classification
Amorphous Silica (modified)	Trade Secret	1-5%						
Carbon Black	1333-86-4	3-8%		05-2114136296-49-0000		3,5mg/m^3 TWA	3,5mg/m^3 TWA	
Charge Control Agent	Trade Secret	1-5%						
Particle control Agent	Trade Secret	1-5%				15mg/m^3 TWA (total dust); 5mg/m^3 TWA (respirable fraction)	10mg/m^3 TWA	
Styrene Acrylate Copolymer	25767-47-9	85-95%						

The Full Text for all R-Phrases are Displayed in Section 16

COMPOSITION COMMENTS

The Data Shown is in accordance with the latest EC Directives.

This section provides composition information for the toner powder contained in specially designed container inside of the print cartridge.

4. FIRST-AID MEASURES

4.1 **FIRST AID MEASURES**

4.1.1 **FIRST AID INSTRUCTIONS BY RELEVANT ROUTES OF EXPOSURE**

Inhalation:	Remove to fresh air. If effects occur, consult medical personnel
Eye contact:	Flush eyes immediately with plenty of water for at least 15 minutes.
Skin contact:	Flush with plenty of water. Use soap.
Ingestion:	No adverse effects anticipated by this route of exposure incidental to proper handling.

4.1.2 **ADDITIONAL FIRST AID INFORMATION**

Additional first aid information:	N/A
Immediate Medical Attention Required:	N/A

4.2 **SYMPTOMS AND EFFECTS**

Acute Symptoms from Exposure:	N/A
Delayed Symptoms from Exposure:	N/A

4.3 **IMMEDIATE SPECIAL TREATMENT OR EQUIPMENT REQUIRED**

Move to fresh air

5. FIRE-FIGHTING MEASURES

5.1 **EXTINGUISHING MEDIA**

Recommended Extinguishing Media:	Water, dry chemical, carbon dioxide or foam type axitinguishers.
Extinguishing Media Not to be Used:	None.

5.2 **SPECIAL HAZARD**

Unusual Fire/Explosion Hazards:	Toner material, like most organic material in powder form, is capable of creating a dust explosion when in very high quantities (much above a toner crtg), pulverized and in the presence of an ignition.
Extinguishing Media Not to be Used:	None

5.3 **ADVICE FOR FIRE FIGHTERS**

Avoid inhalation of smoke. Wear protective cloting an wear self-contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

6.1 **PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

6.1.1 **PRECAUTIONS FOR NON-EMERGENCY PERSONNEL**

Minimize the release of particulates. Do not use a vacuum cleaner unless motor is rated dust tight.

6.1.2 **ADDITIONAL FIRST AID INFORMATION**

Avoid breathing dust.

6.1.3 **PERSONAL PROTECTION**

Wear personal protective equipment as described in Section 8.

6.2 **ENVIRONMENTAL PRECAUTIONS**

Regulatory Information:	Keep product out of sewers and watercourses.

6.3 **METHODS AND MATERIAL FOR CONTAINMENT AND CLEANUP**

Spill or Leak Cleanup Procedures:	After lightly spraying with water to prevent development of dust, spill should be swept up or wiped up .Then residuals can be removed with soap and cold water. If it is not possible to scrub the floor with water, cover the floor with suitable sheets of paper. These used sheets should be wrapped up in spills and transferred to a suitable container for disposal. Garments may be washed or dry cleaned, after removal of loose toner, always without the presence of heat to avoid permanent staines.

7. HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Recommendations for Handling:	No special precautions when used as intended. Keep containers closed, avoid creating dust. Keep away from ignition sources.
Advice on General Hygiene:	Never eat, drink or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the restroom, or applying cosmetics.

7.2 CONDITIONS FOR SAFE STORAGE

Avoid high temperatures, >100°F/32°C

7.3 SPECIFIC END USES

Printing devices

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release in order to maintain airborne concentrations of the product below OSHA PELs (See Section 2).
Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

8.2 EXPOSURE CONTROLS

Respiratory protection:

IMPROPER USE OF RESPIRATORS IS DANGEROUS. Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134 and 1910.137) and, if necessary, wear a NIOSH approved respirator. Select respirator based on its suitability to provide adequate worker protection for given work conditions, levels of airborne contamination, and sufficient levels of oxygen.

Eye/Face Protection:

Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

Hand/Skin Protection:

For emergency or non-routine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA. WARNING! Air purifying respirators do not protect worker in oxygen deficient atmospheres.

Additional Protection:

N/A

Protective Clothing and Equipment:

Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear splash-proof chemical goggles and face shield when working with liquid, unless full face piece respiratory protection is worn.

Safety Stations:

Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Contaminated Equipment:

Separate contaminated work clothes from street clothes. Launder before reuse. Remove material from your shoes and clean personal protective equipment. Never take home contaminated clothing.

Comments:

Never eat, drink or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the restroom, or applying cosmetics.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 **DETAIL INFORMATION**

Physical state:	Solid. [Toner Cartridge]
Color:	Black
Odor:	Faint odour (plastic)
Odor threshold:	N/A
Melting point:	Not determined
Flash point:	Solid, not aplicable
Explosion limits:	Not determined
Relative density:	Not determined
Auto-ignition temperature:	Not applicable

9.2 **OTHER INFORMATION**

N/A

10. CHEMICAL STABILITY AND REACTIVITY

10.1 **Reactivity:**

Reactivity Hazards:	None
Data on Mixture Substances:	None

10.2 **Chemical Stability:** The product is stable. Under normal conditions of storage and use, hazardous polymerisation will not occur.

10.3 **Hazardous Polymerization:** Stable under conditions of normal use.

10.4 **Conditions to Avoid:** Keep away from heat, flame, sparks and other ignition sources.

10.5 **Incompatible Materials:** Strong oxidising materials

10.6 **Hazardous Decomposition:** Will not occur.

11. INFORMATION ON TOXICOLOGICAL EFFECT

Mixtures: Toner contains non known toxicological materials.
Acute Toxicity: N/A
Skin Corrosion/Irritation: Tests on toners containing similar materials indicate no evidence of acute dermal toxicity; non-irritating and non-sensitizing in human patch test.
Serious Eye Damage: Tests on toners containing similar materials indicate non irritating to rabbit eye mucosa.
Sensitization: Tests on toners containing similar materials indicate no evidence of acute inhalation toxicity.
Mutagenicity: Toner is negative (no mutagenic) in the Ames assay
Carcinogenicity: Carbon black is reclassified as a group 2B by IARC, but inhalation tests using a typical toner showed no association between toner and animal tumours.
Reproductive Toxicity: N/A
STOT - Single Exposure: N/A
STOT - Multiple Exposure: N/A
Ingestion: Tests on toners containing similar materials indicate no evidence of acute oral toxicity.
Hazard Class Information: N/A
Mixture on Market Data: N/A
Symptoms: N/A
Delayed/Immediate Effects: N/A
Test Data on Mixture: N/A
Not Meeting Classification: N/A
Routes of Exposure: N/A
Interactive Effects: N/A
Absence of Specific Data: N/A
Mixture vs Substance Data: N/A

12. ECOLOGICAL INFORMATION

12.1 **Eco toxicity:** Based on available data, not harmful to aquatic life.

12.2 **Degradability:** Not readily biodegradable.

12.3 **Bioaccumulation Potential:** Bioaccumulation is insignificant.

12.4 **Mobility in Soil:** Partially soluble in water.

12.5 **PBT & vPvB Assessment:** N/A

12.6 **Other Adverse Effects:** Presents little or no hazard to the environment.

13. DISPOSAL CONSIDERATIONS

Disposal Information:
This product is not regarded as hazardous waste as defined by EU directive 91/689/EEC
Dispose as a solid waste in accordance with local authority regulations.
Empty container retains product residue.

Physical/Chemical Properties that affect Treatment:
Symbol: This product is not classified as dangerous
Risk Phrases: This product is not classified according to the EU regulations.

Waste Treatment Information:
Do not shred toner cartridge, unless dust-explosion prevention measures are taken. Finely dispersed particles may form explosive mixtures in air. Dispose of in compliance with federal, state, and local regulations

Personal Protection Required:
N/A

14. TRANSPORT INFORMATION

14.1 **UN Number:** None allocated

14.2 **UN Shipping Name:** N/A

14.3 **Hazard Class:** N/A

14.4 **Packing Group:** N/A

14.5 **Environmental Hazards:** N/A

14.6 **User Precautions:** N/A

14.7 **Bulk Transport:** N/A

GENERAL:
The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

15. REGULATORY INFORMATION

EU Regulatory Information:

EPA Regulatory Information: None at this time

CERCLA Reportable Quantity: None

Superfund Information:

Hazard Categories:

Immediate: None

Delayed: None

Fire: None

Pressure: None

Reactivity: None

Section 302 - Extremely Hazardous: Not listed
Section 311 - Hazardous: Not listed

State Regulations:

Other Regulatory Information:

16. OTHER INFORMATION

This SDS sheet has been made in compliance with EU directive: N/A

General Comments:	This information is based on our current knowledge. It should not therefore be construed as guaranteeing specific properties of the products as described or their suitability for a particular application
Creation Date of this SDS:	11.06.2013
Data Sources:	N/A
Classification Methods:	Not available
CLP Classification:	None
Labeling Phrases:	None
Relevant R Phrases:	N/A
Relevant S Phrases:	N/A
Worker Training:	N/A

Key to Abbreviations and Acronyms used in this sheet:

ACGIH = American Conference of Governmental Industrial Hygienists	N/A = Not Applicable
CERCLA = Comprehensive Environmental Response Compensation and Liability Act	NFPA = National Fire Protection Association
CLP = Classification, Labeling, and Packaging	NIOSH = National Institute for Occupational Safety and Health
DSD = Dangerous Substances Directive	OSHA = Occupational Health and Safety Administration
EC = European Community	PEL = Permissible Exposure Limit
ECHA = European Chemicals Agency	SCBA = Self Contained Breathing Apparatus
EPA = Environmental Protection Agency	STOT = Specific Target Organ Toxicity
EU = Europe or European	TLV = Threshold Limit Value
GHS = Globally Harmonized System	UK = United Kingdom
	UN = United Nations

Ref:

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