MATERIAL SAFETY DATA SHEET

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Identification of the preparation

Product Name:	F010I1412C
Other means of identification:	TONER CARTRIDGE FOR IBM, LEXMARK INFOPRINT 1412, INFOPRINT 1512 + CHIP HC (6K)
REACH Status:	EU (REACH): All substances contained in this toner are registered, pre-registered or exempt under REACH. Pre-registered chemicals will be registered between 2011 and 2018.
Identified uses:	Print Cartridges
Details of supplier of the safety data sheet:	**SEA S.r.l.** **Via Alcide De Gasperi, 51,** **80024 -Cardito (NA)** **tel. +39 0823 484101** **Fax +39 0823 487244** **Web-site: www.free-tech.com**
E-mail of person responsible for this MSDS:	**comm5@free-tech.com**
Emergency telephone number:	**+39 0823484101**

SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name:	CAS number	Proportion (% by wt.)	OSHA PEL	ACGIH TLV
Saturated polyester resin	Confidential	80-95	-	-
Magnetite	1317-61-9	7-15	-	-
Carbon black	1333-86-4	2-8	-	-
Polypropylene wax	Confidential	1-5	-	-
Zinc,(bis[3,5-di(tert-butyl)-2-hydroxybenzoato-O1,O2],(T-4)	42405-40-3	0,25-1,5	-	-
Silica, treated	Confidential	1-3	-	-

Comment on component parts: None

SECTION 3 HAZARDOUS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

PRODUCT DEFINITION: MIXTURE

CLASSIFICATION ACCORDING TO DIRECTIVE 1999/45/EC [DPD] AND 1272/2008/EC (CLP REGULATIONS)

This product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

This product is not classified as dangerous according to Directive 1272/2008/EC and its amendments.

CLASSIFICATION: NOT CLASSIFIED

See Section 16 for the full text of the R phrases or H statements declared above.
See Section 11 for more detailed information on health effects and symptoms.

Label elements

Signal word:	No signal word.
Hazard statements:	No known significant effects or critical hazards.

Precautionary statements

Prevention:	Not applicable.
Response:	Not applicable.
Storage:	Not applicable.
Disposal:	Not applicable.
Risk phrases:	This product is not classified according to EU regulation.
Safety phrases:	Not applicable.
Supplement label elements:	Not applicable.

Special packing requirements
Containers to be fitted with

child-resistant fastenings:	Not applicable.
Tactile warning of danger:	Not applicable.

Other hazards

Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII:	Not applicable.
Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII:	Not applicable.
Other hazards which do not result from classification:	Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat. Fine dust clouds may form explosive mixtures with air.

POTENTIAL HEALTH EFFECTS

EYES: Solid or dusts may cause irriatation or corneal injury.
SKIN CONTACT: Essentially nonirritating to skin.
SKIN ABSORPTION: Skin absorption is unlikely due to physical properties.
INGESTION: Oral toxicity is believed to be low.
INHALATION: Minimal irritation to respiratory track may occur.

FIRE AND EXPLOSION

SENSITIVITY TO MECHANICAL IMPACT: None
SENSITIVITY TO STATIC CHARGE: None

SECTION 4 FIRST AID MEASURES

Description of first aid measures

Eye contact:	Immediately flush eyes with plenty of water for at least 20 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if symptoms occur.
Skin contact:	In case of contact, immediately flush skin with plenty of water for at least 20

minutes.

Inhalation: Move exposed person to fresh air.

Ingestion: Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

Indication of any immediate medical attention and special treatment needed

Notes to physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

SECTION 5 FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media: Use dry chemical powder.

Unsuitable extinguishing media: Do not use water jet.

Special hazards arising from the substance or mixture

Hazardous combustion products: Decomposition products may include the following materials:
carbon dioxide
Carbon monoxide

Advice for fire-fighters

Special precautions for firefighters: 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 firefighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing dust. Put on appropriate personal protective equipment.

For emergency responders: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also Section 8 for additional information on hygiene measures.

Environmental precautions Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soils or Air).

Methods and materials for containment and cleaning up

Small spill: Move containers from spill area. Vacuum or sweep up material and place in a designed, labelled waste container. Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal Contractor.

Large spill: Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas.



Vacuum or sweep up material and place in a designated, labelled waste container. Avoid creating dusty conditions and prevent wind dispersal. Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor.

Reference to other sections

See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

SECTION 7 HANDLING AND STORAGE

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

Precautions for safe handling

Protective measures:	Put on appropriate personal protective equipment (see Section 8). 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. 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 earthing and bonding containers and equipment before transferring material.
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 unlabelled containers. Use appropriate containment to avoid environmental contamination.
Specific end use(s) Recommendations:	Not available.
Industrial sector specific solutions:	Not available.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PRETECTION

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

Control parameters

Occupational exposure limits	Not relevant.
Exposure controls - Appropriate	Use only with adequate ventilation. Use process enclosures, local exhaust

engineering controls:	ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Use explosion-proof ventilation equipment.

Individual protection measures

Hygiene measures:	Ensure that eyewash stations and safety showers are close to the workstation location. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using lavatory and at the end of the working period.
Eye/face protection:	Safety eyewear should be used when there is a likelihood of exposure. Recommended: If operating conditions cause high dust concentrations to be produced, use dust goggles.

Skin protection

Hand protection:	Use gloves appropriate for work or task being performed. Recommended: Natural rubber (latex).
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. Recommended: Lab coat.
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.
Respiratory protection:	Not required under normal conditions of uses. 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. Ensure an MSHA/NIOSH-approved respirator or equivalent is used.
Environmental exposure controls:	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance

Physical state:	Solid [Powder]
Colour:	BLACK
Odour:	Characteristic. [Slight]
pH:	Not available.
Melting point/freezing point:	Not available.
Initial boiling point and boiling range:	Not available.
Flash point:	Closed cup: >200°C
Evaporation rate:	Not available.
Flammability:	Not available.
Vapour pressure:	Not available.
Vapour density:	Not available.
Relative density:	Not available.

Solubility(ies)	1,1
Auto-ignition temperature:	>200°C

Other information
No additional information.

SECTION 10 CHEMICAL STABILITY & REACTIVITY INFO

Reactivity:	No specific test data related to reactivity for this product or its Ingredients.
Chemical stability:	The product is stable.
Possibility of hazardous reactions:	Hazardous reactions or instability may occur under certain conditions of storage or use.
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 earthing and bonding containers and equipment before transferring material. Prevent dust accumulation.
Incompatible materials:	Reactive or incompatible with the following materials: oxidizing materials
Hazardous decomposition products:	Decomposition products may include the following materials: carbon dioxide carbon monoxide

SECTION 11 TOXICOLOGICAL INFORMATION

Information on toxicological effects
Acute toxicity

Information on the likely routes of exposure:	Not available.

Potential acute health effects

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

Delayed and immediate effects and also chronic effects from short and long 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.
General:	Repeated or prolonged inhalation or dust may lead to chronic respiratory

irritation.

Carcinogenicity:	No known significant effects or critical hazards.
Mutagenicity:	AMES Test Negative derived from available raw material data.
Teratogenicity:	No known significant effects or critical hazards.
Developmental effects:	No known significant effects or critical hazards.
Fertility effects:	No known significant effects or critical hazards.
Other information:	Not available.

SECTION 12 DISPOSAL CONSIDERATIONS

Toxicity Remarks	Not applicable.
Persistence and degradability Remarks	Not applicable.

Bioaccumulative potential

Mobility in soil Soil/water partition coefficient (K oc):	Not applicable.
Mobility:	Not applicable.

Results of PBT and vPvB assessment

PBT:	Not applicable.
vPvB	Not applicable.
Other adverse effects:	Not known significant effects or critical hazards.

SECTION 13 DISPOSAL CONSIDERATIONS

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

Waste treatment methods
Product

Methods of disposal:	The generation of waste should be avoided or minimised wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. 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. 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. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.
Hazardous waste:	Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

Packaging

Methods of disposal: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions: This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and Sewers.

SECTION 14 TRANSPORT INFORMATION

International transport regulations ADR/ADNR/IMDG/IATA: Not regulated.

SECTION 15 REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture.

SECTION 16 OTHER INFORMATION

Abbreviations and acronyms:

ADR = Accord européen relative au transport international des marchandises dangereuses par Route
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
AVV = Abfallverzeichns-Verordnung
BGI = Berufsgenossenschaftliche Informationen
CAS = Chemical Abstracts Service
CLP = Classification, Labelling and Packaging
DMEL = Derived Minimum Effect Level
DNEL = Derived No Effect Level
EC50 = Median effective concentration
ECB = European Chemicals Bureau
EEC = European Economic Community
EINECS = European Inventory of Existing Commercial Chemical Substances
ELINCS = European List of Notified Chemical Substances
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBS-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IC50 = Inhibition concentration, 50%
IMDG = International Maritime Code for Dangerous Goods
IUCLID = International Uniform Chemical Information Database
LC50 = Lethal concentration, 50%
LD50 = Median lethal dose
MARPOL = International Convention for the Prevention of Marine Pollution from Ships
PBT = Persistant, Bioaccumulative and Toxic substance
PNEC = Predicted No-Effect Concentration

REACH = Registration, Evaluation, Authorization and Restriction of Chemicals
TLV®/TWA = Threshold limit value – time-weighted average
TLV®/STEL = Threshold limit value – short-time exposure limit
TRGS = Technische Regeln für Gefahrstoffe
VOC = Volatile Organic Compounds
vPvB = very Persistent and very Bioaccumulative
VwVwS = Verwaltungsvorschrift wassergefährdende Stoffe

Full text of abbreviated R phrases:	Not applicable.
Full text of classifications [DSD/DPD]:	Not applicable.

History

Date of issue: (dd/mm/yyyy)	16/01/2017
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Notice to reader
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