



# MATERIAL SAFETY DATA SHEET

## SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Lexmark C 750, 752, 760, 762 Absolute Black<sup>®</sup> toner

**CAS Number:** Mixture

**General Use:** Laser printer

**Supplier:** UniNet Imaging Inc.  
3232 W. El Segundo Blvd.  
Hawthorne, CA 90250  
T (310) 280-9820  
F (310) 280-0533

**Emergency Telephone:** (310) 280-9820

## SECTION 2 – COMPOSITION AND INFORMATION ON INGREDIENTS

| Ingredients     | CAS No.      | %     | OSHA PEL             | ACGIH TLV  | EC No. |
|-----------------|--------------|-------|----------------------|------------|--------|
| Polyester resin | Trade secret | 75-95 | Not listed           | Not listed |        |
| Carbon black    | 1333-86-4    | < 10  | 3.5mg/m <sup>3</sup> | Not listed |        |
| Polypropylene   | 9010-55-3    | < 10  | Not listed           | Not listed |        |
| Pigment         | 31714-55-3   | < 5   | Not listed           | Not listed |        |
| Iron oxide      | 1309-38-2    | < 5   |                      |            |        |

## SECTION 3 – HAZARDS IDENTIFICATION

**Overview:** Product is a stable, non-flammable powder. If used as intended, the product does not present an acute or chronic health problem.

**Primary Entry Routes:** Inhalation, adsorption

**Inhalation Effects:** Slight irritation of respiratory tract

**Eye Effects:** Dust may cause irritation by mechanical abrasion.

**Skin Effects:** May cause irritation.

**Ingestion Effects:** None known

**Target Organs:** Prolonged breathing of high concentration may cause adverse effects on the respiratory system.

**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 tumors.



# MATERIAL SAFETY DATA SHEET

**Medical Conditions Aggravated By Long Term Exposure:** Accumulation of dust in the respiratory system may cause moderate congestion.

**Chronic Effects and/Or Recommendations:** If use generates airborne particles, treat as a NUSIANCE PARTICULATE (ACGIH TLV = 10 mg/cu. Meter).

## SECTION 4 – FIRST AID MEASURES

**Inhalation:** Use appropriate PPE, remove from exposure

**Eye Contact:** Do not rub eyes. Flush eyes with water.

**Skin Contact:** Wash with soap and water irritation occurs, seek medical attention.

**Ingestion:** Dilute stomach contents with 1 to 2 glasses of water. If symptoms occur, seek medical attention.

**Additional First Aid Information:** N/A

## SECTION 5 – FIRE FIGHTING MEASURES

**Extinguishing Media:** Water, dry chemical, carbon dioxide or foam type extinguishers.

**Ignition Temperature:** No data available.

**Unusual Fire/Explosion Hazards:** May form flammable dust-air mixture.

**Fire Fighting Procedures:** Avoid inhalation of smoke. Wear protective clothing and wear self-contained breathing apparatus.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Spill or Leak:** When cleaning up spilled material, isolate area until the spill has been removed. Sweep or vacuum material and place into a sealable waste receptacle. Residue can be removed with soap and cold water. Garments may be washed or dry cleaned after removing loose toner.

**Regulatory Requirement:** Follow OSHA regulations (29 CFR 1910.120).

**Personal Protection:** Avoid inhalation of dust

## SECTION 7 – HANDLING AND STORAGE

**Handling:** No special precautions when used as intended. Keep containers closed, avoid creating dust. Keep away from ignition sources.

**Storage:** Avoid high temperatures, >100°F/32°C. Material is prone to gradual oxidation which may reduce quality over time.



# MATERIAL SAFETY DATA SHEET

## SECTION 8 – EXPOSURE CONTROLS – PERSONAL PROTECTION

**Ventilation:** 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.

**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, level of airborne contamination, and presence of sufficient oxygen. 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. If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit testing, periodic environmental monitoring, maintenance, inspection, cleaning and convenient, sanitary storage areas.

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

**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 apply cosmetics.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

**Appearance and odor:** Fine, black powder

**Odor Threshold:** Odorless

**Vapor Threshold:** N/A

**Bulk Density:** N/A

**Specific Gravity:** 1.0-1.5

**PH:** N/A

**Water Solubility:** Negligible

**Other Solubilities:** N/A

**Boiling Point:** N/A

**Melting Point:** > N/A

**Surface Tension:** N/A

**Evaporation rate:** N/A

## SECTION 10 – STABILITY AND REACTIVITY

**Stability:** Stable under conditions of normal use.

**Polymerization:** Will not occur.

**Hazardous Decomposition Products:** Products of combustion may be toxic. Avoid breathing fumes.



# MATERIAL SAFETY DATA SHEET

**Chemical Incompatibilities:** N/A

**Conditions to Avoid:** Avoid heat, flames and other ignition sources.

## SECTION 11 – TOXICOLOGICAL INFORMATION

**Inhalation:** Tests on toners containing similar materials indicate no evidence of acute inhalation toxicity.

**Contact with skin:** Tests on toners containing similar materials indicate no evidence of acute dermal toxicity; non-irritating and non-sensitizing in human patch test.

**Eye Contact:** Tests on toners containing similar materials indicate non irritating to rabbit eye mucosa.

**Ingestion:** Tests on toners containing similar materials indicate no evidence of acute oral toxicity.

**Mutagenicity;** Negative in the Ames test.

**Carcinogenicity:** In 1996, the IARC reevaluated carbon black as a Group 2B carcinogen (possible human carcinogen). This evaluation is given to carbon black for which there is inadequate human evidence, but sufficient animal evidence. The latter is based upon the development of lung tumors in rats receiving chronic inhalation exposures to free carbon black at levels that induce particle overload of the lungs. Studies performed in animal models other than rats have not demonstrated an association between carbon black and lung tumors. A two year cancer bioassay using a typical toner preparation containing carbon black demonstrated no association between toner exposure and tumor development in rats.

## SECTION 12 – ECOLOGICAL INFORMATION

**Ecotoxicity:** Based on available data, not harmful to aquatic life.

**Mobility:** Not soluble in water.

**Biodegradability:** Not readily biodegradable.

**Bioaccumulation Potential:** Bioaccumulation is insignificant.

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

## SECTION 13 – DISPOSAL CONSIDERATIONS

Waste material may be disposed of or incinerated under conditions that meet all Federal, State and Local regulations.

## SECTION 14 – TRANSPORT INFORMATION

Not classified as hazardous for transport (IMDG, IATA, ADR/RID).

## SECTION 15 – REGULATORY INFORMATION

Not classified as hazardous

No transport or user labeling is needed



## MATERIAL SAFETY DATA SHEET

EU Directives: Safety Data Sheet according to 91/155/EC as amended Dangerous Preparations Directive 1999/45/EEC.  
System of specific information relating to Dangerous Preparations. 2001/58/EEC

|                                       |
|---------------------------------------|
| <b>SECTION 16 – Other Information</b> |
|---------------------------------------|