LANIER
A RICOH COMPANY
Lanier Worldwide, Inc.
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MATERIAL SAFETY DATA SHEET

Emergency Telephone: 800-551-3087

Section 1: Chemical Product and Company Information

Identity:	**Gray Ink Type VI**	MSDS No.	**CP- 424**
Product ID:	480-0210	Issued:	10/19/2006
		Supersedes:	**11/15/2004**
Synonyms		**Date:**	**10/19/2006**
& Common	Gray Ink LDD145, LDD245	**Prepared by:**	**EH&S Department 770-496-9500**
Names:	Digital Duplicator Ink Gray Type VI	**Approved by:**	Larry Choskey, H&S Manager
Uses:	Lanier LDD145, LDD245		
Chemical Formula:	Mixture		

Section 2: Composition / Information on Ingredients

	PERCENT	CAS No.	EXPOSURE LIMITS	SOURCE
Titanium dioxide	13 – 17	13463-67-7	15 mg/m^3	OSHA PEL
			10 mg/m^3	ACGIH TWA
Ethylene glycol	7 – 11	107-21-1	100 mg/m^3	ACGIH TWA
			100 mg/m^3	ACGIH STEL
Petroleum solvent	7 – 11	64742-71-8	Not listed	N/a
Sorbitan oleate	2 – 6	1338-43-8	Not listed	N/a
Carbon black	< 1	1333-86-4	3.5 mg/m^3	OSHA PEL
			3.5 mg/m^3	ACGIH TWA
Water	60 – 64	7732-18-5	Not listed	N/a

Section 3: Hazards Identification

HMIS Rating:
FLAMMABILITY = 1 HEALTH = 1
REACTIVITY = 0 SPECIAL = none

Primary entry routes: Skin, ingestion
Medical condition aggravated by long-term exposure: Not applicable.
Chronic effects: No data is available on this product.
Carcinogenicity: Carbon Black was reclassified as a Group 2B by the IARC in 1996 based upon the result of only the inhalation study in rats. However, there was not observed the incidence of tumors on the test results on dermal or oral studies. There will be no possibility to inhale the carbon black, which will not be released from the product as a volatile ingredient.

Section 4: First Aid Measures

Inhalation: Not applicable

Eye Contact: In case of contact, immediately flush eyes with water for 15 minutes. Get medical attention if needed.

Skin Contact: Wash with soap and water.

Ingestion: Induce vomiting after drinking tepid water. Get medical attention.

Section 5: Fire Fighting Measures

Suitable extinguishing media: CO_2, dry chemical, foam or water.

Extinguishing media which may not be used for safety reasons: none

Autoignition temperature: 420°C (788°F)

Special protective equipment for fire fighters: none
UEL: n/a LEL: n/a

Section 6: Accidental Release Measures

Spill / leak Procedures: If spilled, wipe up with paper or cloth. Remove residue with soap and cold water.
Miscellaneous: Keep product out of sewers and watercourses. Remove contaminated clothing and launder or dry clean before wearing.

Section 7: Handling and Storage

Handling Precautions: Keep out of reach of children.

Storage Requirements: Keep away from heat, open flame and sparks

Section 8: Exposure Control and Personal Protection Information:

Respiratory Protection: none required under normal use. Ventilation: None required under normal use.

Protective Clothing / Equipment: None required under normal use.

Section 9: Physical and Chemical Properties

CHARACTERISTICS:

Appearance:	Gray	Melting point:	N/a
Form:	Paste	Vapor pressure:	N/a
Odor:	No strong odor	Vapor density:	N/a
Solubility in Water:	Insoluble	Evaporation rate:	N/a
Specific gravity:	N/a	Boiling point:	N/a
Density:	1.1 g/cm^3		

Section 10: Stability and Reactivity

Conditions to avoid: Not applicable in normal use. **Polymerization:** None
Hazardous decomposition products: Will not occur

Section 11: Toxicological Information:

Ames test: Negative **Teratogenicity:** no data
Acute oral toxicity: LD 50(Rat): >5000mg/kg

Special effects: Carcinogenicity: In 1996 the IARC reclassified 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 lung. Studies performed in animal models other than rats have not demonstrated an association between carbon black and lung tumors. Moreover, 2-years cancer bioassay using a typical toner preparation containing carbon black did not demonstrate an association between toner exposure and tumor development in rats.

Section 12: Environmental / Ecological Information

Environmental Degradation: Not known

Section 13: Disposal Consideration

Used product should be disposed of in an environmentally appropriate manner.

Section 14: Transportation Information

International regulations:

RID/ADR	Not applicable	**ICAO-TI/ATA-DGR**	Not applicable
DOT 49 CFR	Not applicable	**UN Classification Number**	Not applicable
ADNR	Not applicable	**IMDG Code**	Not applicable

Product Label: Digital Duplicator Ink Gray Type VI

Information on this data sheet represents our current data and best opinion as to the proper use in handling of this product under normal conditions. *On the basis of the data available to us, this product is not a dangerous substance. One should, however, observe the usual precautionary measures for dealing with chemicals.*

Section 15: Regulatory Information

Regulation:
Canadian Disclosure List: Ethylene Glycol (107-21-1)
SARA Title III – Section 313: Ethylene Glycol (107-21-1)
Title V: Ethylene Glycol (107-21-1)
SC Toxic Air Pollutants List: Ethylene Glycol (107-21-1)

Section 16: Miscellaneous Information

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