

MATERIAL SAFETY DATA SHEET

Emergency Telephone: 800-551-3087

Section 1: Chemical Product and Company Information

<p>Identity: Black Ink LDD145</p> <p>Product ID: 480-0195</p> <p>Synonyms & Common Names: Black Ink LDD145</p> <p>Uses: Lanier LDD145</p> <p>Chemical Formula: Mixture</p>	<p>MSDS No. CP-417</p> <p>Issued: 11/15/2004</p> <p>Supersedes: None</p> <p>Date: 11/15/2004</p> <p>Prepared by: EH&S Department 770-496-9500</p> <p>Approved by: Larry Choskey, Manager, CEH&S</p> <p>European Contact: Walter Fricke, Manager, Safety & Environment, Lanier Worldwide, Inc. Im Taubental D-41468 Neuss, Germany +49-2131-387-177</p>
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Section 2: Composition / Information on Ingredients

Ingredient	PERCENT	CAS No.	EXPOSURE LIMITS	SOURCE
Petroleum solvent	12 - 16	64742-71-8	5 mg/m ³ 5 mg/m ³	OSHA PEL ACGIH TWA
Carbon black	7 - 11	1333-86-4	3.5 mg/m ³ 3.5 mg/m ³	OSHA TWA ACGIH TWA
Petroleum solvent	4 - 8	Confidential	Not listed	N/a
Ethylene glycol	3 - 7	107-21-1	100 mg/m ³ 100 mg/m ³	ACGIH TWA ACGIH STEL
Water	64 - 68	7732-18-5	Not listed	N/a

Section 3: Hazards Identification

HMIS Rating:
 FLAMMABILITY = 1
 REACTIVITY = 0

HEALTH = 1
 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

<p>Inhalation: Not applicable</p> <p>Skin Contact: Wash with soap and water.</p>	<p>Eye Contact: In case of contact, immediately flush eyes with water for 15 minutes. Get medical attention if needed.</p> <p>Ingestion: Induce vomiting after drinking tepid water. Get medical attention.</p>
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Section 5: Fire Fighting Measures

Suitable extinguishing media: CO₂, 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

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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.

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:	Black	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:	1.0 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: (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: Black Ink LDD145

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.

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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

Judgment as to the suitability of information contained herein for user's purposes is the responsibility of the purchaser. Therefore, although reasonable care has been taken in the preparation of this information, Lanier Worldwide, Inc. extends no warranties, makes no representations, and assumes no responsibility as to the accuracy or suitability of such information for application to user's intended purposes or for consequences of its use. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we do not guarantee that these are the only hazards that exist.

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