



Lanier Worldwide, Inc.

2300 Parklake Dr., N. E.

Atlanta, GA 30345-2979

Emergency Telephone: (800) 526-4371

MATERIAL SAFETY DATA SHEET

Section 1: Chemical Product and Company Information

Identity:	5722 Cyan Developer	MSDS No.	CP- 716
Product ID:	C200-0232	Issued:	03/01/00
Synonyms & Common Names:	Cyan Developer for Lanier 5722	Supersedes:	None
Uses:	Lanier 5722 Full Color Digital Copier	Date:	03/01/00
Chemical Formula:	Mixture	Prepared by:	EH&S Department 770-496-9500
		Approved by:	Larry Choskey, Manager, CEH&S
		European Contact:	Lanier Worldwide, Manager, Safety & Environment, Walter Fricke, Im Taubental D-41468 Neuss, Germany +49-2131-387-177

Section 2: Composition / Information on Ingredients

	PERCENT	CAS No.	EXPOSURE LIMITS	SOURCE
Ferrite	>94	1309-37-1 1344-43-0 1309-48-4	10mg/m ³ 5mg/m ³ not listed 15mg/m ³ 10mg/m ³	OSHA PEL ACGIH TLV N/a OSHA PEL ACGIH TLV
Polyester resin	Trade Secret	Trade Secret	Not listed	N/a
Organic pigment	Trade Secret	Trade Secret	Not listed	N/a

*PEL as the product: 15mg/m³ (total dust), 5mg/m³ (respirable dust)

*TLV as the product: 10mg/m³ (total dust), 5mg/m³ (respirable dust)

Section 3: Hazards Identification

HMIS Rating:

FLAMMABILITY = 0

HEALTH = 0

REACTIVITY = 0

SPECIAL = none

Health Hazards (Acute, Chronic, Immediate and Potential): Minimum irritation to respiratory tract may occur as with exposure to any non-toxic dust.

Health Hazards of Long Term exposure (Chronic): none

Section 4: First Aid Measures

Inhalation:	Remove to fresh air if effects occur. Gargle with water. Get medical attention if needed.	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:	Dilute stomach contents with several glasses of water. Get medical attention if needed.

Section 5: Fire Fighting Measures

Suitable extinguishing media: CO₂, dry chemical, foam or water.

Unusual Fire and Explosion Hazards: None

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

Flammability: Non-flammable solid The decomposition products are CO, CO₂, and No_x. Avoid inhalation of smoke.

Special protective equipment for fire fighters: none

UEL: n/a

LEL: n/a

Ignition Temperature: n/a

Section 6: Accidental Release Measures

Spill / leak Procedures: If spilled, sweep up using an approved toner vacuum with a 0.5 micron filter or smaller, such as the Atrix AAA Toner Vacuum or 3M Toner Vacuum. Use of a vacuum cleaner not rated for toner particles, could result in a fire or personal injury. Remove residue with soap and cold water.

Miscellaneous: Keep product out of sewers and watercourses.

Personal protection: Avoid inhalation of dust.

MATERIAL SAFETY DATA SHEET

Page 2 of CP-716

Section 7: Handling and Storage

Special Handling: Cleanse skin after contact before breaks or meals, and end of workday.
Special Storage: Store in a cool, dry place. Avoid direct sunlight. Keep out of reach of children. Keep from contact with oxidizing materials.
Miscellaneous: Do not handle in windy areas. Flying powder may enter eyes. Minimize inhalation of dust. Cleanse skin thoroughly after contact, before breaks and meals, and at end of work periods.

Section 8: Exposure Control and Personal Protection Information:

Respiratory Protection: none required under normal use. Hand Protection: none required under normal use.
Eye Protection: none required under normal use.
Ventilation: Local exhaust equipment is needed. Skin Protection: none required under normal use.
Exposure Guidelines: USA OSHA (TWA/PEL) : 15mg/m³ (Total Dust); 5mg/m³ (Respirable fraction)
ACGIH (TWA/TLV) : 10mg/m³ (Total dust)
DFG (MAK) : 6mg/m³ (Total dust)

Section 9: Physical and Chemical Properties

CHARACTERISTICS:

Appearance:	Cyan	Melting point:	N/a
Form:	Fine Powder	Vapor pressure:	n/a
Odor:	Odorless	Vapor density:	n/a
Solubility in Water:	Negligible	Evaporation rate:	N/a
Density:	4.5 – 5.5	Boiling point:	N/a
Flammability:	Non-flammable solid (according to test methods of USA 16 CFR 1500.44 and annex V of EU Directive 84/449/EEC)		

Section 10: Stability and Reactivity

Conditions to avoid: none Materials to avoid: none Stability: Stable
Hazardous decomposition products: CO and CO₂ and other decomposition products when burned.

Section 11: Toxicological Information:

Acute Toxicity: Inhalation: (Estimated from the constituent components): LC50:>6.21mg/L/4hr (rats) (Mean maximum attainable concentration)
Oral: (estimated from constituent components): LD50:>5000mg/kg (rats)
Eye: (Estimated from the constituent components): Not classified as irritant.
Skin: (Estimated from the constituent components): Not classified as irritant.
Sensitizer: No sensitizer.
Mutagenicity: Ames test negative
Carcinogenicity: None.

Section 12: Environmental / Ecological Information

No information indicating any adverse ecological effects.

Section 13: Disposal Consideration

Used Toner should be disposed of under conditions that meet all federal, state and local environmental regulations. Disposal regulations vary from locality to locality, therefore consult your local Lanier office or the EPA to determine the proper method for disposal. Do not incinerate loose or spilled Toner.

Section 14: Transportation Information

None. This is not a hazardous product.

Section 15: Regulatory Information

SARA Title III, 313: n/a
Other State Regulations: none.
USA Label Information: Low hazard for recommended handling. Minimize dust generation and accumulation. Use with adequate ventilation.
OSHA Hazard Communication Standard, 29CFR 1910. 1200: Not regulated
Toxic Substance Control Act (TSCA): All chemical substances in this product comply with all applicable rules or orders under TSCA.
RCRA (40 CFR 261): Product or components not listed.
CERCLA/SARA Information: Not regulated.
NTP Annual Report on Carcinogens: Not listed as an NTP carcinogen.
IARC: See section 11.

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.

MATERIAL SAFETY DATA SHEET

Page 3 of CP-716

California Proposition 65: Neither toner, or any of the components, are listed as chemicals known to the State of California to cause cancer or reproductive system effects.

Controlled Products Regulations (Canada): This product has been classified in accordance with the hazard criteria of the CPR.

U.S./Canada Label Statements: LOW HAZARD FOR RECOMMENDED HANDLING. Minimize dust generation and accumulation. Use with adequate ventilation.

EU Information

Label Information According to Directives 67/548 EEC & 88/379 EEC: Symbol & Indication: Not required Risk Phrase: Not required

Safety Advise Phrase: Not required

EEC Directive (76/548 EEC, 79/831 EEC, 92/32 EEC): All chemical substances in this product comply with all applicable rules or order under EEC Directive.

The Subject of Specific Provisions in Relation to Protection of Man or the Environment. Directive 76/769/EEC: Not required

National requirement: No specific regulations or restrictions.

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.

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.