

MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Manufacturer:	Guy Brown Products	HMIS INFORMATION:	
Address:	9003 Overlook Boulevard, Brentwood, TN 37027	Health:	1 Reactivity: 0
Telephone:	615-777-1500	Fire:	1 Protection:
Fax:	615-777-1501	0 = Low	4 = High
Emergency Telephone:	Chemtrec (800) 424 9300		
Product Code:	DPS0096A		
Product Synonyms:	HP2100 R21A Laser toner cartridge.		

SECTION 2: INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>Exposure limits:</u>	<u>Concentration:</u>
Styrene acrylate copolymer CAS NUMBER: 25767-47-9	ACGIH TLV 5.0mg/cu.m.	< 55%
Iron Oxide CAS NUMBER: 12227-89-3	ACGIH TLV 5mg/cu.m. OSHA PEL 5mg/cu.m.	< 45%
Polypropylene wax. CAS NUMBER: 9003-07-0	ACGIH TLV 10mg/cu.m. OSHA PEL 15mg/cu.m.	< 03%

SECTION 3: HAZARDS IDENTIFICATION

Potential Health Effects:	
Eyes:	Possible irritant.
Skin:	Slight irritant.
Ingestion:	Practically non-toxic
Inhalation:	Minimal respiratory tract irritation may occur as with exposure to large amounts of non toxic dust. TLV: 10mg/cubicmeter (Total Dust) ♦ 5mg/cubicmeter (Respirable Dust)

SECTION 4: FIRST AID MEASURES

Eyes:	Flush with water.
Skin:	Wash with soap and water.
Ingestion:	Dilute stomach contents with several glasses of water.
Inhalation:	Remove from exposure.

SECTION 5: FIRE FIGHTING MEASURES

Fire and Explosion Hazards:	Toner is a combustible powder. When dispersed in air it forms explosive mixtures.
Extinguishing Media:	Water, foam, dry chemical.
Fire Fighting Instructions:	Avoid inhalation of smoke.

SECTION 6: ACCIDENTAL RELEASE MEASURES.

Loose toner can be removed using a vacuum cleaner. Residue can be removed with soap and water. After removal of loose toner garments may be washed or dry cleaned.
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SECTION 7: HANDLING AND STORAGE:

Handling and Storage Precautions:	Avoid prolonged inhalation of excessive dust. Avoid storage temperatures in excess of 90 degrees Fahrenheit.
Work/ Hygienic Practices:	None required when cartridge is used in designated printer. In case of accidental release of toner goggles and respirator may be required. Contact Guy Brown for information.

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SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION.

Eye / Face Protection:	None needed when used as intended in copier or printer equipment.
Skin Protection:	None needed when used as intended in copier or printer equipment.
Respiratory Protection:	None needed when used as intended in copier or printer equipment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

Appearance:	Plastic Cartridge containing finely divided black powder.
Odor:	Faint.
Basic Physical Properties:	Melting point: 198 degrees Fahrenheit. Specific Gravity: 1.5-1.6 Solubility in water: Negligible.

SECTION 10: STABILITY AND REACTIVITY.

Stability:	Stable.
Conditions to avoid:	None.
Hazardous Decomposition Products:	Products of combustion are toxic. Avoid breathing smoke.
Hazardous Polymerization:	Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION.

Miscellaneous Toxicological Information:	In a Xerox sponsored chronic inhalation study in rats using a special toner, there were no lung changes at all in the lowest exposure level (mg/cubic meter). This is the most relevant level to human exposures. A very slight degree of fibroses was noted in 25% of the animals at the mid exposure level (4mg/cubic meter). While a slight degree of fibrosis was observed at the highest exposure level (16 mg/cubic meter) in all animals. These findings are attributed to "Lung Overloading". (A generic response to excessive amounts of any dust retained in the lungs for a prolonged interval). The special test toner was ten times more respirable than commercially available toners to comply with EPA testing protocol and would not function properly in a copier or printer.
Mutagenicity:	No mutagenicity detected by Ames Test.
Carcinogens:	None present.
Medical Conditions Aggravated by Exposure:	None when used as described by product literature.
This material when used as intended does not represent a health or safety hazard.	

SECTION 12: ECOLOGICAL INFORMATION.

No Data Given

SECTION 13: DISPOSAL CONSIDERATIONS

Do not incinerate. Conform with state, federal and local regulations
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SECTION 14: TRANSPORT INFORMATION.

No Data Given

SECTION 15: REGULATORY INFORMATION.

No Data Given

SECTION 16: OTHER INFORMATION.

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The above listed brand names and model designations are intended only to show the compatibility of this Guy Brown product with various machines. Guy Brown is not affiliated with the manufacturers of any of these machines.

10/1/2000