



CLARITY

IMAGING TECHNOLOGIES, INC.

MATERIAL SAFETY DATA SHEET

Section 1 – Identification

Product Name:	PageMax Replacement Toner Cartridge
Description:	Dry Black Thermoplastic Powder
PageMax Item Number:	10161

Section 2 – Ingredients of Toner

<u>Principal Components:</u>	<u>Weight %</u>
Styrene Acrylic Copolymer	40 -60
Magnetic Oxide	30 - 50
Ploywax	2 - 8
Metal Complex Dye	1.5
Silica	< 2

Section 3 – Physical Data

Boiling Point (°C):	Not applicable for solid mixtures
Melting Point (°C):	Less than negligible
Vapor Density (Air = 1):	Not applicable
Solubility In Water:	Less than negligible
Solubility In Organic Solvents:	Soluble in some solvents
Specific Gravity (H₂O = 1):	1.25 – 1.65
Percent Volatile By Volume (%):	Less than negligible
Evaporation Rate (Butyl Acetate = 1):	Less than negligible
pH In Concentrate:	Can not be determined
pH In Dilution As Used:	Can not be determined
Appearance and Odor:	Fine powder with slight odor

This information relates only to the specific material designated and may not be valid for such material used in conjunction with any other material or in any process. And, it is based on the level of our knowledge as of the date of preparation (5/1/01). The information is provided without any warranty express or implied, regarding its correctness and do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the product.

Section 4 – Fire & Explosion Hazard Data

Flash Point (Method Used):	Not applicable, melting starts at 100 degrees C and higher.
Ignition Temperature:	Not applicable
Flammable Limits:	Not known
Extinguishing Media:	CO ₂ Water Dry Chemical Extinguisher
Special Fire fighting Procedure:	None
Unusual Fire and Explosion Hazards:	Possible conditions could create a dry dust explosion; avoid sources of ignition.

Section 5 – Health Hazard Data

Exposure Limits:	No known health hazard when used as intended in a printing device.
Effects of Overexposure:	
Inhalation:	Gasping & coughing – don't breath toner in.
Eye Contact:	Wash eyes as with any other material that irritates; no hazard.
Skin:	Wash with cold water and soap; no known hazard.
Emergency & First Aid Procedures:	
Toxicity Data	Negative Mutagenicity (Ames Test Negative)

Section 6 – Reactivity Data

Stability:	Stable
Incompatibility:	Strong Oxidizers
Hazardous Decomposition Products:	Combustion will produce Carbon Dioxide and Carbon Monoxide.
Hazardous Polymerization:	Will not occur.

Section 7 – Safe use or Handling

Steps taken in case material is released or spilled:	Avoid inhalation: sweep material up.
Waste disposal Method:	This product may be produced with plastic and/or metal. Disposal may be subject to federal, state or local laws.

Section 8 – Special Protection Information

Respiratory Protection:	None required during printing cycle. Avoid heavy inhalation of product.
Ventilation:	Good general ventilation.
Protective Gloves:	None required. If stained –soap and water
Eye Protection:	None required. Avoid airborne particles.
Other Protective Equipment:	None required.

Section 9 – Special Precautions

Handling and storing:	Keep out of reach of children. Keep from contacting oxidizing materials, Avoid dusting.
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