

MATERIAL SAFETY DATA SHEET

SECTION I - GENERAL INFORMATION

PRODUCT NAME: Organic Photo Conductor (OPC) Drum for use in Laser Printer Toner Cartridges

DESCRIPTION: This product is an assembly consisting of an aluminum cylinder, containing various layers of light-sensitive coating material, plastic gears and copper contact plate. It's purpose is to retain the latent image projected by a laser beam through which toner is applied to it and subsequently transfer to paper.

SECTION II - INGREDIENTS

<i>PRINCIPAL COMPONENTS</i>	<i>CAS #</i>	<i>TLV</i>	<i>WT %</i>	<i>ACGIH</i>	<i>OSHA PEL</i>
Poly-Carbonate: 60%	25134-45-6	-	-	-	-
Butadiene+: 40%	109995-82-6	-	-	-	-

Note: Specific chemical amounts are proprietary. Information given above is for a typical drum formulation and may vary for use in various laser printer cartridge models. The principal component types, however, are the same.

SECTION III- PHYSICAL DATA

<i>BOILING POINT (C):</i> N.A.	<i>MELTING POINT (C):</i> N.A.
<i>VAPOR PRESSURE (MM Hg):</i> N.A.	<i>VAPOR DENSITY (AIR =1):</i> N.A.
<i>SOLUBILITY IN WATER:</i> Insoluble	<i>SOLUBILITY IN ORGANIC SOLVENTS:</i> N.A.
<i>SPECIFIC GRAVITY: (WATER=1):</i> Greater than 1	<i>% VOLATILE BY VOLUME:</i> N.A.
<i>EVAPORATION TATE (BUTYL ACETATE=1):</i> N.A.	<i>PH:</i> N.A.
<i>APPEARANCE AND ODOR:</i> Blue or Green color	

SECTION IV - FIRE & EXPLOSION HAZARD DATA

<i>FLASH POINT:</i> Over 250o C	<i>FLAMMABLE LIMITS:</i> N.A.	<i>LEL:</i> N.A.	<i>UEL:</i> N.A.
<i>EXTINGUISHING MEDIA:</i> Dry chemical, water, foam or carbon dioxide			
<i>SPECIAL FIRE FIGHTING PROCEDURE:</i> Not necessary			

SECTION V - REACTIVITY DATA

STABILITY: Stable *CONDITIONS TO AVOID:* Direct sunlight and acid

MATERIAL INCOMPATIBILITY FOR TRANSPORT, HANDLING & STORAGE: None known

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: When heated to decomposition, emits acrid smoke and fumes

SECTION VI - HEALTH HAZARD DATA

CARCINOGENICITY:- NTP?: No *IARC MONOGRAPHS:* No *OSHA REGULATED:* No

HEALTH HAZARD (Acute & Chronic): No known health hazard

SIGNS & SYMPTOMS OF EXPOSURE: None when used as intended in laser printers

PRIMARY ROUTES OF ENTRY:- None

MEDICAL CONDITION GENERALLY AGGRAVATED BY EXPOSURE: None when used as intended

EMERGENCY & FIRST AID PROCEDURES: None when used as intended.

SECTION VII - PRECAUTION FOR SAFE HANDLING AND USE

SPILL RESPONSE: N.A.

WASTE DISPOSAL METHOD: Dispose according to federal, state and local regulations. Dispose in landfills or incinerate under local regulations

PRECAUTION TO BE TAKEN IN HANDLING & STORAGE: Avoid excessive heat. Do not store next to strong oxidizers

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION: None when used as intended

EYE PROTECTION: None when used as intended

PROTECTIVE GLOVES: None when used as intended

VENTILATION: Normal office/home condition

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None when used as intended

WORK/HYGIENIC PRACTICE: Avoid breathing fumes if melted to decomposition temperature

SECTION IX - REGULATORY INFORMATION

* This information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any other process. This information is based on the level of our knowledge as of the date of preparation. It is the users responsibility to determine the suitability of this information for each particular use.

* Complies with OSHA's Hazard Communication Standard 29 CFR 1910.1200 (standard must be consulted for specific requirements)

* N.A. = Not Applicable