

MATERIAL SAFETY DATA SHEET

Section I

Company Name: Future Graphics, LLC.
Address: 1175 Aviation Place
City, State, Zip Code: San Fernando, CA 91340
Phone for Information: 818 / 837-8100
EMERGENCY CONTACT: **FUTURE GRAPHICS 818 / 837-8100, 800 / 394-9900**
Product Code: HP4300TNR1100
Description: TNR BTL HP4300 1100gm
Date Revised: 2/25/2004
Chemical Name: Black Toner
Chemical Family: Thermoplastic Toner Powder

HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Section II

Hazardous Components	CAS No.	OSHA PEL	ACGIH TLV	(Optional) %
Styrene-Acrylic Copolymer	25767-47-9	not listed	not listed	55
Iron Oxide	12227-89-3	not listed	not listed	42
Carbon Black	1333-86-4	not listed	not listed	0
Polypropylene	9003-07-0	not listed	not listed	3

The specific chemical identities are trade secrets.

PHYSICAL / CHEMICAL CHARACTERISTICS

Section III

Boiling Point (F): Not Applicable
Specific Gravity (Water = 1): 1.4-1.6
Vapor Pressure (mm HG): Not Applicable
Melting Point: 100-120 Deg C
Vapor Density (Air = 1): Not Applicable
Evaporation Rate (Butyl Acetate =1): Not Applicable
Solubility in Water: Negligible
Appearance & Odor: Fine black powder, practically odorless.

FIRE & EXPLOSION HAZARD DATA

Section IV

Flash Point (Method Used): Not Applicable
Flammable Limits: Not Applicable
LEL: Not Applicable
UEL: Not Applicable
Extinguishing Media: Water spray or mist, Foam , Dry Chemical, Co2
Special Fire Fighting Procedures: Avoid inhalation of smoke , Wear MSHA / NIOSH S.C.U.B.A
Hazardous Combustion Products: Carbon monoxide, carbon dioxide, nitrogen dioxide.
Unusual Fire and Explosion Hazards: Toner is a combustible powder. When dispersed in air, it can form explosive mixtures.

Reactive Data

Section V

Stability: Unstable: Stable: X
Conditions to Avoid: No Data
Incompatibility (Materials to Avoid): None
Hazardous Decomposition or Byproducts: Only after combustion
Hazardous Polymerization: Will Occur: Will Not Occur: X

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HEALTH HAZARD DATA

Section VI

Primary Entry Routes: Inhalation
Inhalation Effects: Slight irritation of respiratory tract.
Eye Effects: Dust may cause irritation by mechanical abrasion.
Skin Effects: May cause skin irritation.
Ingestion Effects: Not known.
Carcenogenicity: None listed
Signs or Symptoms of Exposure: Respiratory irritation in prolonged exposure to excessive dust.
Medical Conditions Aggravated by Exposure: Accumulation of dust in the respiratory system may cause moderate congestion.
Chronic Effects and/or Recommendations: If use generates airborne particles, treat as NUISANCE PARTICULATE (ACGIH TLV = 10 mg/m3)

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Do not allow victim to rub or keep eyes tightly shut. Gently lift eyelids and flush eyes with large amounts of water. Seek medical attention.
INHALATION: Remove the person to fresh air. Seek medical attention.
SKIN: Wash with soap and water.
INGESTION: Dilute stomach contents with several glasses of water.

PRECAUTIONS FOR SAFE HANDLING AND USE

Section VII

Steps to be Taken in Case Material is Released: Loose toner can be removed by using vacuum cleaner or broom. Residue can be removed with soap and water.
Waste Disposal Method: Do not incinerate. Dispose of in accordance with federal, state, and local regulations.
Precautions to be Taken in Handling or Storage: Eye protection and respirators may be required for bulk handling. Avoid storing next to strong oxidizers.
Other Precautions: Avoid excessive exposure to heat

CONTROL MEASURES

Section VIII

Respiratory Protection: Follow Federal and State guide lines for respirator selection and use.
Ventilation:
Local: Local exhaust ventilation is preferred for controlling dispersion at source
Mechanical: No Data
Special: No Data
Other: Provide general or local exhaust ventilation to maintain below OSHA PELs
Protective Gloves: Wear chemically protective gloves,boots,aprons and gauntlets
Eye Protection: Wear protective eyeglasses or chemical safety goggles
Other Protective Clothing or Equipment: None required.
Work / Hygienic Practices: Wash hands with soap and water prior to eating.

SPECIAL INSTRUCTIONS

This information is believed to be true and accurate. It represents the best information currently available to us. We make no warranty , expressed or implied with regard to such information. We make no liability resulting from its use. Users should make their own investigations to determine the suitability for their particular purposes.