

MATERIAL SAFETY DATA SHEET

DATE LAST REVISED: 5/7/2008

I. General Information

Chemical Name & Synonyms None	Trade Name & Synonyms TROY 4014/4015/4515 MICR Toner Secure Cartridge
Chemical Family Thermoplastic Powder	Formula 02-81300-001
Proper DOT Shipping Name Toner/ Cartridge	DOT Hazard Classification N/A
Manufacturer TROY Group Inc.	Manufacturer's Phone Number 1-800-633-2266
Manufacturer's Address Three Bryan Drive Wheeling, WV 26003	Manufacturer's Fax Number 1-304-232-0996

II. Ingredients

Principal Hazardous Components	CAS No.	Percent	Threshold Limit Values (units)
Polyester Polyurethane Resin	174125-31-6	N/A	10 mg/m ³ Total Dust
Charge Control dye	109125-51-1	N/A	5 mg/m ³ Total Dust
Iron Oxide	1317-67-9	N/A	Not Established
Ethylene Propylene Wax	9010-79-1	N/A	10 mg/m ³ Total Dust
The specific chemical identities and amounts are proprietary.			

III. Physical Data

Boiling Point (°F) N/A	Specific Gravity (H₂O = 1) N/A
Vapor Pressure (mm Hg.) N/A	Percent Volatile By Volume (%) N/A
Vapor Density (Air = 1) 0	Evaporation Rate (_____ = 1) N/A
Solubility in Water Insoluble	pH N/A
Appearance & Odor Black powder, slight odor.	

IV. Fire & Explosion Hazard Data

Flash Point (Test Method) N/A	Auto Ignition Temperature Not Tested	
Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media Dry chemical, water, foam, or carbon dioxide.		
Special Fire Fighting Procedures Avoid inhaling smoke. Wear protective clothing and self-contained breathing apparatus.		
Unusual Fire and Explosion Hazards None under normal use and conditions.		

V. Health Hazard Data

OSHA Permissible Exposure Limit 10mg/m ³	ACGIH Threshold Limit Value 10mg/m ³
Carcinogen - NTP Program None listed.	Carcinogen - IARC Program None listed.
Symptoms of Exposure None under normal use. Minimal respiratory tract irritation may occur as with exposure to large amounts of any non-toxic dust.	
Medical Conditions Aggravated By Exposure None when used as instructed.	
Primary Route(s) of Entry Inhalation	
Emergency First Aid Contact with skin; wash with soap and water. For eyes; flush with water or use eye drops. If unsuccessful, seek medical attention.	

VI. Reactivity Data

Stability Stable	Conditions To Avoid None
Incompatibility None known.	Materials To Avoid None known.
Hazardous Polymerization Will not occur.	Conditions To Avoid None Known
Hazardous Decomposition Products Combustion products may be toxic. Avoid breathing smoke.	

VII. Environmental Protection Procedures

Spill Response Sweep or use vacuum cleaner. Motor in the vacuum must be rated dust tight and a conductive hose should be used to avoid static.
Waste Disposal Method Land fill in accordance with federal, state, and local regulations. Incinerate only in a closed container.

VIII. Special Protection Information

Eye Protection None, when used as intended.	Skin Protection None, when used as intended.
Respiratory Protection (Specific Type) None, when used as intended.	Ventilation Recommended Adequate ventilation
Other Protection None, when used as intended.	

IX. Special Precautions

Hygienic Practices In Handling & Storage Keep cartridge closed. Wash hands after handling material before eating or smoking.
Precautions For Repair & Maintenance Of Contaminated Equipment Clean often to avoid large amounts of dust.
Other Precautions Avoid storage in excessive heat or humidity.

X. Other Information

NFPA Ratings	
Health	1
Flammability	1
Instability	0