

MATERIAL SAFETY DATA SHEET

DATE LAST REVISED: 5/7/2008

I. General Information

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| Chemical Name & Synonyms None | Trade Name & Synonyms TROY 4015/4515 MICR Secure High Yield Cartridge |
| Chemical Family Thermoplastic Powder | Formula 02-81301-001 |
| 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 |
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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 |
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| The specific chemical identities and amounts are proprietary. | | | |

III. Physical Data

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| 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

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| 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

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| 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

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| 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

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| 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

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| 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

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| 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

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| NFPA Ratings | |
| Health | 1 |
| Flammability | 1 |
| Instability | 0 |