

SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT AND PRODUCT INFORMATION

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1.1 PRODUCT IDENTIFIER

Product Name: **Absolute MICR for use in Lexmark T650**

Part Number: **BCT650M**

CAS NUMBER: **MIXTURE**

1.2 IDENTIFIED USES AND USES ADVISED AGAINST

Intended Use: **Laser Printer/Fax/Copier Cartridges**

Do Not Use For: **Not advised for uses other than those described above.**

1.3 SUPPLIER DETAILS

Supplier: **CLOVER TECHNOLOGIES GROUP**
4200 COLUMBUS STREET
OTTAWA
IL 61350
USA

T: **+1 8154318100**

Contact Hours: **8:00 AM - 5:00 PM EST - USA**

1.4 EMERGENCY TELEPHONE NUMBERS

Supplier: **+1 8003562728**

Emergency Hours: **8:00 AM - 5:00 PM EST**

Other: **911 [24/7]**

SECTION 2 - HAZARDS IDENTIFICATION

2.1 INFORMATION and CLASSIFICATION

Overview: Product is a stable, non-flammable powder. If used as intended, the product does not present an acute or chronic health hazard assessment is based on information that is available on the properties of its components.

Classification According to Directive 1999/45/EC:

N/A

2.2 LABEL ELEMENTS

Applicable Pictograms:



Danger Indications: N/A

Risk Phrases: N/A

Safety Advice: N/A

2.3 OTHER HAZARDS

PBT or vPvB: N/A

SECTION 3 - COMPOSITION AND INFORMATION ON INGREDIENTS

CAS NUMBER	CHEMICAL NAME	WT %	OSHA PEL	ACGIH TLV	EC NUMBER	REACH NUMBER	INDEX NUMBER	CLP [GHS] CLASSIFICATION
174125-31-6	Polyester Polyurethane Resin	-----	-----	10.0mg/m ³	-----	-----	-----	-----
109125-51-17	Charge Control dye	-----	-----	5 mg/m ³	-----	-----	-----	-----
1317-61-9	Iron Oxide/Ferrite	-----	Not listed	5.0mg/m ³	215-277-5	-----	-----	-----
8002-74-2	Paraffin Wax	-----	Not listed	Not listed	232-315-6	-----	-----	-----



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SECTION 4 - FIRST AID MEASURES

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4.1 FIRST AID MEASURES

4.1.1 FIRST AID INSTRUCTIONS BY RELEVANT ROUTES OF EXPOSURE

Inhalation: Remove to fresh air. If effects occur, consult medical personnel.

Eye Contact: Flush eyes immediately with plenty of water for at least 15 minutes.

Skin Contact: Flush with plenty of water. Use soap.

Ingestion: No adverse effects anticipated by this route of exposure incidental to proper handling.

4.1.2 ADDITIONAL FIRST AID INFORMATION

Additional First Aid Information:

N/A

Immediate Medical Attention Required:

N/A

4.2 SYMPTOMS AND EFFECTS

Acute Symptoms from Exposure: N/A

Delayed Symptoms from Exposure: N/A

4.3 IMMEDIATE SPECIAL TREATMENT OR EQUIPMENT REQUIRED

Move to Fresh Air

SECTION 5 - FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

Recommended Extinguishing Media:

Water, dry chemical, carbon dioxide or foam type extinguishers.

Extinguishing Media Not to be Used:

None

5.2 SPECIAL HAZARDS

Unusual Fire/Explosion Hazards:

Toner material, like most organic material in powder form, is capable of creating a dust explosion.

Ignition Temperature:

No data available

5.3 ADVICE FOR FIRE FIGHTERS

Avoid inhalation of smoke. Wear protective clothing and wear self-contained breathing apparatus.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

6.1.1 Precautions for Non-Emergency Personnel:

Minimize the release of particulates. Do not use a vacuum cleaner unless motor is rated dust tight.

6.1.2 Precautions for Emergency Personnel:

Avoid breathing dust.

6.1.3 Personal Protection:

Wear personal protective equipment as described in Section 8.

6.2 ENVIRONMENTAL PRECAUTIONS

Regulatory Information:

Keep product out of sewers and watercourses. Dispose of waste toner in accordance with local requirements.

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANUP

Spill or Leak Cleanup Procedures:

After lightly spraying with water to prevent development of dust, spills should be swept up or wiped up. Then residuals can be removed with soap and water. If it is not possible to scrub the floor with water, cover the floor with suitable sheets of paper. These used sheets should be wrapped up in spills and transferred to a suitable container for disposal. Garments may be washed or dry cleaned, after removal of loose toner.



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SECTION 7 - HANDLING AND STORAGE REQUIREMENTS

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7.1 PRECAUTIONS FOR SAFE HANDLING

Recommendations for Handling: No special precautions when used as intended. Keep containers closed, avoid creating dust. Keep away from ignition sources.

Advice on General Hygiene: Never eat, drink or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the restroom, or applying cosmetics.

7.2 CONDITIONS FOR SAFE STORAGE

Avoid high temperatures, >100°F/32°C. Material is prone to gradual oxidation which may reduce quality over time.

7.3 SPECIFIC END USES

N/A

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release in order to maintain airborne concentrations of the product below OSHA PELs (See Section 2).

Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

8.2 EXPOSURE CONTROLS

AGENCY	Exposure Guidelines:	AGENCY	Exposure Guidelines:
USA - OSHA	NONE	NONE	NONE
USA - ACGI	NONE	NONE	NONE
UK - WEL:	NONE	NONE	NONE

Respiratory Protection:

IMPROPER USE OF RESPIRATORS IS DANGEROUS. Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134 and 1910.137) and, if necessary, wear a NIOSH approved respirator. Select respirator based on its suitability to provide adequate worker protection for given work conditions, level of airborne contamination, and presence of sufficient oxygen.

Eye/Face Protection:

Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

Hand/Skin Protection:

For emergency or non-routine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA. WARNING! Air purifying respirators do not protect worker in oxygen-deficient atmospheres.

Additional Protection:

N/A

Protective Clothing and Equipment:

Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear splash-proof chemical goggles and face shield when working with liquid, unless full face piece respiratory protection is worn.

Safety Stations:

Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Contaminated Equipment:

Separate contaminated work clothes from street clothes. Launder before reuse. Remove material from your shoes and clean personal protective equipment. Never take home contaminated clothing.

Comments:

Never eat, drink or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the restroom, or applying cosmetics.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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9.1 DETAIL INFORMATION

Appearance:	Fine, black powder	Evaporation Rate:	N/A
Odor:	Almost odorless	Relative Density:	N/A
Odor Threshold:	N/A	Flammability:	N/A
Flash Point:	N/A	UPR/LWR Flamm Limits:	N/A
Bulk Density:	N/A	Vapor Pressure:	N/A
Specific Gravity:	1.0 - 1.7	Vapor Density:	N/A
PH:	N/A	Auto Ignition Temp:	N/A
Water Solubility:	Negligible	Decomposition Temp:	N/A
Other Solubilities:	N/A	Viscosity:	N/A
Boiling Point:	N/A	Explosive Properties:	N/A
Melting Point:	> 100 - 150°C (softening point)	Oxidizing Properties:	N/A
Surface Tension:	N/A		

9.2 OTHER INFORMATION

N/A

SECTION 10 - CHEMICAL STABILITY AND REACTIVITY**10.1 REACTIVITY**

Reactivity Hazards:	None
Data on Mixture Substances:	None

10.1 REACTIVITY

10.2 Stability:	None
10.3 Hazardous Polymerization:	Stable under conditions of normal use.
10.4 Conditions to Avoid:	None
10.5 Incompatible Materials:	Products of combustion may be toxic. Avoid breathing fumes.
10.6 Hazardous Decomposition:	Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION**11.1 INFORMATION ON TOXICOLOGICAL EFFECT**

Mixtures:	Toner contains no known toxicological materials.
Acute Toxicity:	N/A
Skin Corrosion/Irritation:	Tests on toners containing similar materials indicate no evidence of acute dermal toxicity; non-irritating and non-sensitizing in human patch test.
Serious Eye Damage:	Tests on toners containing similar materials indicate non irritating to rabbit eye mucosa.
Sensitization:	Tests on toners containing similar materials indicate no evidence of acute inhalation toxicity.
Mutagenicity:	Not known.
Carcinogenicity:	Carcinogens: none present.
Reproductive Toxicity:	N/A
STOT - Single Exposure:	N/A
STOT - Multiple Exposure:	N/A
Ingestion:	Tests on toners containing similar materials indicate no evidence of acute oral toxicity.
Hazard Class Information:	N/A
Mixture on Market Data:	N/A
Test Data on Mixture:	N/A
Not Meeting Classification:	N/A
Routes of Exposure:	N/A
Symptoms:	N/A
Delayed/Immediate Effects:	N/A
Interactive Effects:	N/A
Absence of Specific Data:	N/A
Mixture vs Substance Data:	N/A



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SECTION 12 - ECOLOGICAL INFORMATION

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- 12.1 Ecotoxicity:** Based on available data, not harmful to aquatic life.
12.2 Degradability: Not readily biodegradable.
12.3 Bioaccumulation Potential: Bioaccumulation is insignificant.
12.4 Mobility in Soil: Partially soluble in water.
12.5 PBT & vPvB Assessment: N/A
12.6 Other Adverse Effects: Presents little or no hazard to the environment.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Information:

Comply with all EU, national and local regulations.
Dispose as a solid waste in accordance with local authority regulations.
Empty container retains product residue.

Physical/Chemical Properties that affect Treatment:

Symbol: This product is not classified as dangerous
Risk Phrases: This product is not classified according to the EU regulations.

Waste Treatment Information:

N/A

Waste Treatment Information:

EU Directives: Safety Data Sheet according to 91/155/EC as amended Dangerous Preparations Directive 1999/45/EEC. System of specific information relating to Dangerous Preparations, 2001/58/EEC.

Personal Protection Required:

N/A

SECTION 14 - TRANSPORT INFORMATION

General Comments: ADR/RID Class: Not regulated
IATA Class: Not regulated

- 14.1 UN Number:** None allocated
14.2 UN Shipping Name: N/A
14.3 Hazard Class: N/A
14.4 Packing Group: N/A
14.5 Environmental Hazards: N/A
14.6 User Precautions: N/A
14.7 Bulk Transport: N/A

SECTION 15 - REGULATORY INFORMATION

EU Regulatory Information: EU 3093/94: Not regulated
EPA Regulatory Information: None at this Time
CERCLA Reportable Quantity: None

Superfund Information:

Hazard Categories:	Immediate: None	Pressure: None
	Delayed: None	Reactivity: None
	Fire: None	

Section 302 - Extremely Hazardous: Not listed

Section 311 - Hazardous: Not listed

State Regulations:

Check each state regulations that may specifically refer to this product.

Other Regulatory Information:

EEC 2455/92: Not regulated

SECTION 16 - OTHER INFORMATION

General Comments: This information is based on our current knowledge. It should not therefore be construed as guaranteeing specific properties of the products as described or their suitability for a particular application

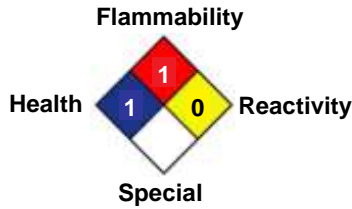
Issue Date of this SDS: 7/18/2011

Revised Sections: N/A

Replaces Document Dated: N/A

NFPA 704 Ratings:

Flammability: 1
Health: 1
Reactivity: 0
Special: None

**Key to Abbreviations and Acronyms used in this sheet:**

- EU = Europe or European
- OSHA = Occupational Health and Safety Administration
- PEL = Permissible Exposure Limit
- ACGIH = American Conference of Governmental Industrial Hygienists
- CLP = Classification, Labeling, and Packaging
- GHS = Globally Harmonised System
- NIOSH = National Institute for Occupational Safety and Health
- CERCLA = Comprehensive Environmental Response Compensation and Liability Act
- DSD = Dangerous Substances Directive
- N/A = Not Applicable
- UK = United Kingdom
- TLV = Threshold Limit Value
- SCBA = Self Contained Breathing Apparatus
- EPA = Environmental Protection Agency
- STOT = Specific Target Organ Toxicity
- UN = United Nations
- ECHA = European Chemicals Agency
- NFPA = National Fire Protection Association
- EC = European Community
- WEL = Workplace Exposure Limit

Data Sources: N/A

Classification Methods: Not available

CLP Classification: None

Labeling Phrases: None

Relevant R Phrases: N/A

Worker Training: N/A

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