

MATERIAL SAFETY DATA SHEET

Clover Technologies Group

The Date of Issue: July 10, 2012

Version Number: 3.0

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Code *CMB4570 K/C/M/Y*
Product Name *Polyester color toner*

Manufacturer Name *Clover Technologies Group*
Company Address *4200 Columbus Street, Ottawa, IL 61350*
Company Phone Number *815-431-8100*
Company Fax Number *815-431-8100*

SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

INGREDIENTS	CAS	%wt	ACGIH TLV	OSHA PEL
<i>Polyester Copolymer</i>	<i>N/A</i>	<i>< 95%</i>	<i>No</i>	<i>No</i>
<i>Colorants – Red</i>	<i>42373-04-6</i>	<i>< 3%</i>	<i>No</i>	<i>No</i>
<i>– Blue</i>	<i>33203-82-6</i>	<i>< 3%</i>	<i>No</i>	<i>No</i>
<i>– Yellow</i>	<i>83949-75-1</i>	<i>< 3%</i>	<i>No</i>	<i>No</i>
<i>– Black</i>	<i>14097-03-1</i> <i>12270-13-2</i> <i>83949-75-1</i> <i>4444-00-3</i>	<i>< 5%</i>	<i>No</i>	<i>No</i>
<i>CCA</i>	<i>N/A</i>	<i>< 5%</i>	<i>No</i>	<i>No</i>
<i>Wax</i>	<i>8002-74-2</i>	<i>< 7%</i>	<i>No</i>	<i>No</i>
<i>Silica</i>	<i>68909-20-6</i>	<i>< 3%</i>	<i>No</i>	<i>No</i>

SECTION 3 - HAZARD IDENTIFICATION

Hazard to Humans - *None during normal use.*
Primary Route of Entry - *Dermal or inhalation*

SECTION 4 - FIRST-AID MEASURES

INHALATION *Remove from exposure.*
SKIN *Wash skin with soap and water.*
EYES *Flush eyes with large quantities of water for at least 15 minutes.*
If irritation is present after washing, contact a physician.
INGESTION *Dilute by drinking water.*

SECTION 5 - FIRE-FIGHTING MEASURES

Hazardous Combustion Products	: CO_2 , CO , AlO_x
Extinguishing Media	: Water, dry chemicals, foam, carbon dioxide
Unusual Fire or Explosion Hazards	: Toner material, like most organic materials in powder form, is capable of creating a dust explosion.
Special Fire-Fighting Procedure	: None

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Spill Procedures:	<i>Collect material without dusting; dispose of as hazardous waste.</i>
Waste Disposal Methods:	<i>Dispose of as flammable, hazardous waste solid, in accordance with Federal, State and Local regulations.</i>

SECTION 7 - HANDLING AND STORAGE

Handling Precautions:

- *Handle in accordance with good industrial practice, handle with care and avoid any unnecessary contact.*
- *Keep away from heat, sparks, or open flame.*
- *Avoid uncontrolled procedures which may result in generating excessive dust or vapor that can be inhaled or contact the eyes.*
- *Use adequate local ventilation if dust or vapor generation cannot be avoided.*
- *Avoid skin contact with this material or solutions of this material.*
- *Proper housekeeping practices should be maintained.*

Shipping and Storage:

- *Keep container tightly closed when not in use.*
- *Store in a cool, dry place away from heat, spark or open flame. Store away from other combustibles and strong oxidizers.*

Personal Hygiene:

- *Practice good personal hygiene.*
- *Do not eat, smoke or apply cosmetics in areas where the material is being handled.*
- *Wash thoroughly with soap and water after handling.*
- *Launder clothing prior to use.*

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Measures - *None*

Personal Protective Equipment - *None*

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance - <i>fluffy particles</i>	Explosive Properties - <i>Not applicable</i>
Odor and Odor Threshold - <i>None</i>	Partition Coefficient - <i>Not applicable</i>
pH - <i>Not applicable</i>	Oxidizing Properties - <i>Not applicable</i>
Boiling Point - <i>Not applicable</i>	Solubility in Water - <i>Insoluble</i>
Vapor Pressure - <i>Not applicable</i>	Percent Volatile - <i>None</i>
Vapor Density - <i>Not applicable</i>	Evaporation Rate - <i>Not applicable</i>
Melting Point - <i>None but softens at about 60°C</i>	Freezing Point - <i>Not applicable</i>
Flammable Limits - <i>Not available</i>	Flash Point - <i>Not available</i>

SECTION 10 - STABILITY AND REACTIVITY

Stability: *Stable*;
Conditions to Avoid: *Stable in air*.
Incompatibility (Materials to Avoid): *Avoid mixing with strong oxidizing agents*.
Hazardous Combustion Products: *Decomposition products may include toxic phenols*.
Hazardous Polymerization: *Will not occur*;

SECTION 11 - TOXICOLOGICAL INFORMATION

ACUTE

Eye Contact: *No substance specific information available.*
 Polymer particles may act as foreign body.
Skin Contact: *Stains skin and fabrics.*
Ingestion: *No applicable information found.*
Inhalation: *No applicable information available. Polymer particle may be considered an inert nuisance dust.*

CHRONIC

Mutagenicity: ND
Carcinogenicity: ND
Other: ND

SECTION 12 - ECOLOGICAL INFORMATION

None

SECTION 13 - DISPOSAL INFORMATION

Waste Disposal - *Dispose of used product in accordance with applicable regulations. Do not incinerate.*

SECTION 14 - TRANSPORTATION INFORMATION

Proper Shipping Name - *None*
Hazard Class - *None*
Identification Number - *None*
RQ - *Not applicable*
Packing Group - *None*
Page Number - *None*

SECTION 15 - REGULATORY INFORMATION

Follow all regulation in your country.

SECTION 16 – OTHER INFORMATION

None

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