

MATERIAL SAFETY DATA SHEET
(Dell 1320c - CYAN TONER. DATE PREPARED: September 30, 2008)

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

MANUFACTURER: Master Ink Company Limited
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Kowloon, Hong Kong
Tel: +852 2305 4400 Fax: +852 2305 1787

PRODUCT: Dell 1320c - Cyan Toner

2. COMPOSITION / INFORMATION INGREDIENTS

<u>Ingredients</u>	<u>CAS No.</u>	<u>Proportion</u> <u>(% by wt.)</u>	<u>OSHA PEL</u>	<u>ACGIH</u> <u>TLV</u>	<u>Other</u> <u>Limits</u>
Polyester	Trade Secret	> 72.0	Not listed	Not listed	None
Wax*	Trade Secret	< 11.0	Not listed	Not listed	None
Organic pigment	147-14-8	< 9.0	Not listed	Not listed	None
Amorphous silica	68909-20-6	< 8.0	20mppcf	10.0mg/m3	None

*: See [section 16]

3. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

Odorless pigmented fine powder [Cyan] .

Not highly flammable, but when suspended in air, is combustible as with most organic powders.

CARCINOGENIC EFFECTS: Titanium dioxide is reclassified as a group 2B by IARC, but inhalation test using a typical toner showed no association between toner exposure and animal tumors.

POTENTION HEALTH EFFECTS

EYES: Solid or dusts may cause irritation or corneal injury.

SKIN CONTACT: Essentially nonirritating to skin.

SKIN ABSORPTION: Skin absorption is unlikely due to physical properties.

INGESTION: Oral toxicity is believed to be low.

INHALATION: Minimal irritation to respiratory track may occur.

FIRE AND EXPLOSION

SENSITIVITY TO MECHANICAL IMPACT: None

SENSITIVITY TO STATIC CHARGE: None

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4. FIRST AID MEASURES

SKIN: Flush with plenty of water. Use soap.

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

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

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES: Not highly flammable

FLASH POINT: No data available

FLAMMABLE LIMITS

LEL: No data available

UEL: No data available

EXTINGUISHING MEDIA: Water fog, foam, CO₂, dry chemical.

FIRE-FIGHTING EQUIPMENT: Wear full bunker gear including a positive pressure self-contained breathing apparatus in case of burning in large quantities.

6. ACCIDENTAL RELEASE MEASURES

Minimize the release of particulates. Wear personal protective equipment.

Do not use vacuum cleaner.

After by 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. Preferred to use the material in a place, covering up the floor and surrounding matters with suitable sheets such as paper, in a case of being not fit to scrub the floor with water. These used sheets should be wrapped up in spills and transfer into a suitable container for disposal.

Garments may be washed or dry cleaned, after removal of loose toner.

7. HANDLING AND STORAGE

Avoid creating dust. Clean up all spills promptly.

Inhalation and contact with skin or eyes should be avoided.

Provide general ventilation. Good general ventilation should be sufficient for most conditions.

Store in a cool, well ventilated place away from flames and spark-producing equipment.

May toners be preferred to use or to handle at the suitable place without concerning about smudges to which are given rise by releasing them.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

OSHA PEL: TWA

5.0mg/m³(Inert of Nuisance Dust :Respirable fraction)

15.0mg/m³(Inert of Nuisance Dust :Total dust)

ACGIH TLV: TWA(2005)

3.0mg/m³(Particulates Not Otherwise Classified :Respirable Particle Mass)

10.0mg/m³(Particulates Not Otherwise Classified :Inhalable Particle Mass)

RESPIRATORY PROTECTION: For most conditions, no respiratory protection should be needed; however, in dusty atmospheres, use an approved dust respirator.

SKIN PROTECTION: No precautions should be needed under normal use.

EYE PROTECTION: No precautions should be needed under normal use.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Pigmented fine powder [Cyan] .

ODOR: Odorless

BOILING POINT: N.A.(not applicable)

VAP PRESS: N.A.

VAP DENSITY: N.A.

SOL IN WATER: Negligible

SP. GRAVITY: ca. 1.20

MELTING POINT: N.A.

pH: N.A.

% VOLATILE: N.A.

10. STABILITY AND REACTIVITY

STABILITY: This is a stable product.

INCOMPATIBILITY: (SPECIAL MATERIALS TO AVOID) Oxidizing materials.

HAZARDOUS DECOMPOSITION PRODUCTS: CO or NO_x (by high heat and fire)

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

MUTAGENIC EFFECTS:Negative in the Ames test(Estimated from the data of constituent components.).

12. ECOLOGICAL INFORMATION

None.

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13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Waste must be disposed of in accordance with country and local environmental control regulations.

14. TRANSPORT INFORMATION

TRANSPORT INFORMATION: This is not a hazardous product.

UN No.: None allocated.

15. REGULATORY INFORMATION

TSCA: All chemical substances in this product comply with all applicable rules or orders under TSCA.

EU : None.

16. OTHER INFORMATION

Paraffine is not hazardous except for its flammable properties, but "Paraffine wax fume" is one of hazardous chemicals. Its ACGIH TLVs (TWA) and NIOSH RELs (TWA) is the same value (2mg/m3).

NFPA Rating: Health = 1 Flammability = 1 Reactivity = 0

REFERENCES:

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The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. It does not represent a guarantee for the properties of the product described in terms of the legal warranty.

