

MATERIAL SAFETY DATA SHEET

No.: 1035390702

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Laser Toner
Product Description: Toner HPQ CE278A/CAN CRG-128/326/328/726/728 BK
Supplier: Prospect Image Products Limited of Zhuhai
Address: 3rd floor, Risong Building, No.7 of 3rd Pingxi Road, Technical Industry Park, Nanping Town, Zhuhai City, China
Emergency Phone: +86-756-6803920
Information Fax: +86-756-6803970

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No.	Wt%
Polyester Resin	Trade Secret	>82
Carbon Black	1333-86-4	<8
Polypropylene	9010-79-1	<4
Iron oxide	1317-61-9	<4
Amorphous silica	67762-90-7	<2

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Odorless black fine powder.

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

CARCINOGENICITY: Carbon black is reclassified as a group 2B by IARC, but inhalation test using a typical toner showed no association between toner and animal tumors.

POTENTIAL 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

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SENSITIVITY TO MECHANICAL IMPACT: None

SENSITIVITY TO STATIC CHARGE: None

4. FIRST AID MEASURE

EYES: Flush eyes immediately with plenty of water for at least 15 minutes and get medical attention.

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:

FLASH POINT: No data available

FLAMMABLE LIMITS

LEL: No data available

UEL: No data available

EXTINGUISHING MEDIA: 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.

Lightly spray with water to prevent development of dust. Spills should be swept or wiped up. Then residuals can be removed with soap and water. Preferred and 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. Store 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.

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 (2003)

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

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

RESPIRATORY PROTECTION: 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: Black fine powder.

ODOR: None

BOILING POINT: N.A. (not applicable)

VAP PRESS: N.A.

VAP DENSITY: N.A.

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SOL IN WATER: Negligible

SP. GRAVITY: ca 1.30

MELTING POINT: N.A

pH: N.A.

% VOLATILE: N.A

10. STABILITY & 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 other products and constituent components)

CARCINOGENIC EFFECTS: In 1996, the IARC reevaluated carbon black as a GROUP 2B carcinogen (possible human carcinogen). This evaluation is given to carbon black for which there is inadequate human evidence, but sufficient animal evidence. The latter is based upon the development of lung tumors in rat receiving chronic inhalation exposures to free carbon black at level that induce particle overload of the lung.

Studies performed in animal models other than rats have not demonstrated an association between carbon black and lung tumors. Moreover, a two-year cancer bioassay using a typical toner preparation containing carbon black demonstrated no association between toner exposure and tumor development in rats.

CHRONIC EFFECTS: In a study in rats (H.Muhle) by chronic inhalation exposure to a typical toner, a mild to moderate degree of lung fibrosis was observed in 92% of the rats in the concentration(16mg/m) exposure group, and a minimal to mild degree of

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fibrosis was noted in 22% of the animals in the middle (4mg/m) exposure³
group. But no pulmonary change was reported in the lowest (1mg/m)
exposure group, the most relevant level to potential human exposures.

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12. ECOLOGICAL INFORMATION

None.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORTATION 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: One of chemical substances in this product contained is treated as a new chemical.

16. OTHER INFORMATION

All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources. This information is believed to be correct, but does not purport to be all-inclusive and shall be used only as a guide. Union Technology International (MCO) Co., Ltd. makes no warranty, express or implied, as to the accuracy or completeness of this information. It is the user's responsibility to determine the suitability of this information for the adoption of necessary safety precautions and/or compliance with federal, state, and local laws and regulations.

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Authorized Signature(s)