

SAFETY DATA SHEET

SDS Number:	298, REV E PITNEY BOWES, INC.	Effective Date:	May 11, 2010
Product Name:	TN530 Toner Cartridge	Revised Date:	September 22, 2015
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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances:

Chemical Name	CAS#	EINECS#	GHS Classification Regulation (EC) No 1272/2008	%
Toner Powder	Mixture	Mixture	Not Applicable	Proprietary
Carbon Black	1333-86-4	215-609-9	Carcinogen Category 2 (H351)	5-10

See Section 16 for further information on GHS Classification.

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures

Eyes: Do not rub eyes. Immediately flush with plenty of running cool to lukewarm water, holding eye lids open to assure thorough rinsing. Get medical attention if irritation persists or for foreign body in the eyes.

Skin: Wash with soap and water.

Inhalation: Remove to fresh air. Wash nostrils, rinse mouth. If irritation or pulmonary symptoms develop, consult a physician.

Ingestion: If swallowed, dilute with water. Do not induce vomiting unless directed by a medical professional. Never give fluids or induce vomiting if the victim is unconscious or having convulsions. Get medical attention if symptoms occur.

Notes to Physicians: Treat symptomatically.

4.2 Most Important symptoms and effects, both acute and delayed: Inhalation of dust may cause minor respiratory irritation.

4.3 Indication of any immediate medical attention and special treatment needed: Immediate medical treatment should not be required.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing Media:

Use water spray, dry chemical or foam to extinguish fire.

5.2 Special Hazards Arising from the Substance or Mixture

Unusual Fire and Explosion Hazards: Toner powder can form explosive mixtures with air at high concentrations.

Hazardous Decomposition Products: May produce carbon oxides under fire conditions.

5.3 Advice for Fire-Fighters:

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Do not use methods that may create a dust cloud, such as high pressure water.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Avoid inhalation of dust. Carefully sweep material onto paper, or vacuum taking care not to generate airborne dust. Do not use vacuum if large amounts are released due to risk of dust explosion. Wipe up residual with a damp cloth.

6.2 Environmental Precautions:

It is recommended to keep away from drains, surface and ground water.

6.3 Methods and Material for Containment and Cleaning Up:

Large Spill: Not sold in large quantities.

Small Spill: Sweep material onto paper, or vacuum small amounts.

6.4 Reference to Other Sections:

Refer to Section 8 for protective equipment and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

Avoid inhalation of toner dust. Avoid direct contact with toner. Keep container closed when not in use.

7.2 Conditions for Safe Storage, Including any Incompatibilities:

Store in a cool, dry place. Keep container closed. Keep out of the reach of children.

7.3 Specific end use(s):

Copier Toner Cartridge

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters:

Chemical Name	Exposure Limits
Toner powder (regulated as particulates not otherwise classified - PNOC)	5 mg/m ³ (respirable fraction) TWA OSHA PEL 15 mg/m ³ TWA (total dust) TWA OSHA PEL 5 mg/m ³ (respirable fraction) TWA – France OEL
Carbon Black	3.5 mg/m ³ TWA OSHA PEL 3.5 mg/m ³ TWA ACGIH TLV, 3.5 mg/m ³ TWA, 7 mg/m ³ STEL- UK WEL 3.5 mg/m ³ TWA – Spain OEL 3.0 mg/m ³ TWA – Australia OEL

8.2 Exposure Controls:

Engineering Controls: None required with normal use.

Respiratory Protection: Not required under normal use conditions.

Skin Protection: Not required under normal use conditions.

Eye Protection: Not required under normal use conditions.

Other: Not required for normal use conditions.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic Physical and Chemical Properties:

Appearance: Black powder	Vapor Density: Not applicable
Odor: Odorless	Specific Gravity: 1.15
Odor Threshold: Not applicable	Water Solubility: Negligible
pH: Not applicable	Octanol/Water Partition Coefficient: Not available
Melting Point/Freezing Point: Not available	Autoignition Temperature: Not applicable
Boiling Point: Not applicable	Decomposition Temperature: Not determined
Flash Point: None	Viscosity: Not applicable
Evaporation Rate: Not applicable	Explosion Properties: Toner powder can form explosive mixtures with air at high concentrations.
Flammable Limits: LEL: 40 g/m ³ UEL: Not determined	Oxidizing Properties: Not determined
Vapor Pressure: Not applicable	VOC: Not available

9.2 Other Information:

None

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

Not reactive under normal conditions of use.

10.2 Chemical Stability:

Stable.

10.3 Possibility of Hazardous Reactions:

None known

10.4 Conditions to Avoid:

Avoid excessive heat and electrical discharge. Do not throw into fire.

10.5 Incompatible Materials:

Avoid contact with strong oxidizing agents.

10.6 Hazardous Decomposition Products:

Thermal decomposition may produce carbon oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects:

Eyes: May cause minimal irritation.

Skin: No adverse effects expected.

Ingestion: No adverse effects expected. This product is not acutely toxic by ingestion.

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Inhalation: Could be a route of exposure, but unlikely under normal use. Inhalation of toner powder may cause mucous membrane and respiratory irritation.

Acute Toxicity Values:

Carbon Black: LD50 Oral Rat > 15,400 mg/kg; LD50 Skin Rabbit > 3,000mg/kg

Irritation: May cause mild eye irritation.

Corrosivity: This is not a corrosive product.

Sensitization: This product is not expected to cause sensitization. None of the components are respiratory or skin sensitizers.

Specific Target Organ Toxicity:

Single Exposure: None known.

Repeat Exposure: In a study in rats of chronic inhalation exposure to a typical toner, a mild to moderate degree of lung fibrosis was observed in 92% of the rats in the high concentration (16 mg/m³) exposure group. A minimal to mild degree of lung fibrosis was observed in 22% of the rats in the middle (4mg/m³) exposure group. No pulmonary change was reported in the lowest (1 mg/m³) exposure group, the most relevant level to potential human exposures.

Carcinogen Status: In 1996 IARC re-evaluated carbon black as a group 2B carcinogen (possible human carcinogen). The carbon black ingredient in this product is in a polymer matrix and is considered to be inextricably bound in a manner that no exposure occurs during normal use and handling; and is therefore not classified as a carcinogen. None of the other components of this product at greater than 0.1% are classified as carcinogens by IARC, OSHA, NTP, ACGIH, or the EU CLP.

Germ Cell Mutagenicity: This product tested negative in the AMES test for mutagenicity. This product is not a reproductive hazard.

Toxicity for Reproduction: This product is not a reproductive hazard.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity:

No data available.

12.2 Persistence and Degradability:

No data available for product.

12.3 Bioaccumulative Potential:

No data available for product.

12.4 Mobility in Soil:

No data available for product.

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12.5 Results of PBT and vPvB Assessment:

Not required.

12.6 Other Adverse Effects:

None.

SECTION 13: DISPOSAL INFORMATION

13.1 Waste Treatment Methods

Dispose in accordance with local, state or provincial and federal or national regulations.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Transport Hazard Class(s)	14.4 Packing Group	14.5 Environmental Hazards
US DOT	None	Not regulated for transport	None	None	No
EU ADR/RID	None	Not regulated for transport	None	None	No
IATA:	None	Not regulated for transport	None	None	No
IMDG	None	Not regulated for transport	None	None	No

14.6 Special Precautions for User:

None

14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code:

Not applicable

SECTION 15: REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture:

International Inventories:

US EPA TSCA Inventory: All of the components are listed or exempt on the EPA TSCA inventory.

EU Inventory: All of the components in this product are listed on or exempt from the EINECS inventory.

Japanese Regulations: All of the components are listed on the Japanese MITI inventory.

U.S. REGULATIONS

CERCLA: Spills of this product are not required to be reported to the National Response Center. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

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EPA SARA 302: This product does not contain chemicals regulated under SARA Section 302.

EPA SARA 311 Hazard Classification: Not hazardous.

EPA SARA 313: This product contains the following chemicals that are regulated under SARA Title III, section 313: None

California Proposition 65: This product contains the following chemicals which are known to the State of California to cause cancer, reproductive toxicity or birth defects: Carbon Black 5-10%.

INTERNATIONAL REGULATIONS

WHMIS Classification: Not a controlled product.

German WGK: Not determined.

15.2 Chemical Safety Assessment:
Not required

SECTION 16: OTHER INFORMATION

NFPA Codes:	Health: 0	Fire: 1	Instability: 0
HIMS Codes:	Health: 0	Fire: 1	Physical Hazard: 0

GHS Phrases for Reference (See Section 2 and 3):

None

EU Classes and Risk Phrases for Reference (See Sections 2 and 3):

None.

SDS Prepared By: Chemical Review Board

WHMIS Reviewed August 25, 2014

Revision Summary: Address change.

Emergency spill information number updated in November 2020