

Material Safety Data Sheet

Revision Date: 9-10-03

Product: Compatible Toner for use in Océ 9800 Printer

1. Chemical Product and Company Identification

Product Code: ETA498

2. Composition/Information on Ingredients

Ingredient	Exposure Limits	Conc. % by Weight
Polyester Resin (CAS#: 114352-07-7)		30 to 50
Epoxy-Ester resin (Proprietary)		<30
Iron Oxide (CAS#: 1317-61-7)		30 to 50
Carbon Black (CAS#: 1333-86-4)		<5
Amorphous Silica (CAS#: 68611-44-9)		<5
All Chemicals contained in this product are not subject to TSCA		

3. Hazards Identification

Potential Health Effects

Eyes: Not an irritant

Skin: A non-irritant and non-sensitizer

Ingestion: Practically non-toxic

Inhalation: Minimal respiratory tract irritation may occur as with exposure to large amounts of non-toxic dust.
TLV: 10 mg/cubicmeter (Total Dust) • 5 mg/cubicmeter (Respirable Dust)

4. First Aid Measures

Eyes: Flush with water

Skin: Wash with Soap and water

Ingestion: Dilute stomach contents with several glasses of water.

Inhalation: Remove from exposure

5. Fire Fighting Measures

Fire and Explosion Hazards Toner is a combustible powder. When dispersed in air, it forms explosive mixtures.

Extinguishing Media Water, foam, dry chemical

Fire Fighting Instructions Avoid inhalation of smoke

6. Accidental Release Measures

Loose toner can be removed using a vacuum cleaner. Residue can be removed with soap and water. After removal of loose toner, garments may be washed or dry cleaned.

7. Handling and Storage

Handling and Storage Precautions: Avoid prolonged inhalation of excessive dust. Avoid storage temperatures in excess of 90°F

Work/Hygienic Practices: For use other than normal customer-operating procedures (such as bulk processing facilities), goggles and respirators may be required. For information contact Nashua Corporation.

8. Exposure Controls/Personal Protection

<u>Eye/Face Protection</u>	None required when used as intended in copier or printer equipment.
<u>Skin Protection</u>	None required when used as intended in copier or printer equipment.
<u>Respiratory Protection</u>	None required when used as intended in copier or printer equipment.

9. Physical and Chemical Properties

<u>Appearance</u>	Finely divided black powder
<u>Odor</u>	Faint
<u>Basic Physical Properties</u>	Specific Gravity ~1.3 Solubility (in Water): Negligible

10. Stability and Reactivity

<u>Stability:</u>	Stable
<u>Conditions to Avoid (stability):</u>	None
<u>Hazardous Decomposition Products:</u>	Products of combustion are toxic. Avoid breathing smoke.
<u>Conditions to Avoid (polymerization):</u>	None
<u>Hazardous Polymerization:</u>	Will not occur

11. Toxicological Information

Miscellaneous Toxicological Information

In a Xerox sponsored chronic inhalation study in rats using a special toner, there were no lung changes at all in the lowest exposure level (mg/cubic meter). The most relevant level to potential human exposures. A very slight degree of fibrosis was noted in 25% of the animals at the mid-exposure level (4 mg/cubic meter). While a slight degree of fibrosis was observed at the highest exposure level (16 mg/cubic meter) in all animals. These findings are attributed to "Lung Overloading". (A generic response to excessive amounts of any dust retained in the lungs for a prolonged interval). The special test toner was ten times more respirable than commercially available toners to comply with EPA testing protocol and would not function properly in a copier or printing equipment.

<u>Carcinogens</u>	None Present
<u>Medical Conditions Aggravated by Exposure</u>	None when used as described by product literature

This material when used as intended does not represent a health or safety hazard.

12. Ecological Information

No Data Given

13. Disposal Considerations

Do not incinerate. No special techniques beyond normal practice. Insure conformity with federal, state or local regulations.

14. Transport information

No Data Given

15. Regulatory Information

No Data Given

16. Other Information

Disclaimer of Expressed and Implied Warranties

Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).

Nashua Corporation

Material Safety Data Sheet

Revision Date: 2-17-04

Product: Compatible Toner for use in Oce 9300,9400,9400 II Printer

1. Chemical Product and Company Identification

Product Code: ETAB4

2. Composition/Information on Ingredients

Ingredient	Exposure Limits	Conc. % by Weight
Polyester Resin (CAS#: 114352-07-7)		30 to 50
Epoxy-Ester resin (Proprietary)		<30
Iron Oxide (CAS#: 1317-61-7)		<20
Carbon Black (CAS#: 1333-86-4)		<5
Dye (CAS#: 84179-66-8)		<4
Amorphous Silica (CAS#: 68611-44-9)		<5
All Chemicals contained in this product are not subject to TSCA		

3. Hazards Identification

Potential Health Effects

Eyes: Not an irritant

Skin: A non-irritant and non-sensitizer

Ingestion: Practically non-toxic

Inhalation: Minimal respiratory tract irritation may occur as with exposure to large amounts of non-toxic dust.
TLV: 10 mg/cubicmeter (Total Dust) • 5 mg/cubicmeter (Respirable Dust)

4. First Aid Measures

Eyes: Flush with water

Skin: Wash with Soap and water

Ingestion: Dilute stomach contents with several glasses of water.

Inhalation: Remove from exposure

5. Fire Fighting Measures

Fire and Explosion Hazards Toner is a combustible powder. When dispersed in air, it forms explosive mixtures.

Extinguishing Media Water, foam, dry chemical

Fire Fighting Instructions Avoid inhalation of smoke

6. Accidental Release Measures

Loose toner can be removed using a vacuum cleaner. Residue can be removed with soap and water. After removal of loose toner, garments may be washed or dry cleaned.

7. Handling and Storage

Handling and Storage Precautions: Avoid prolonged inhalation of excessive dust. Avoid storage temperatures in excess of 90°F

Work/Hygienic Practices: For use other than normal customer-operating procedures (such as bulk processing facilities), goggles and respirators may be required. For information contact Nashua Corporation

8. Exposure Controls/Personal Protection

<u>Eye/Face Protection</u>	None required when used as intended in copier or printer equipment.
<u>Skin Protection</u>	None required when used as intended in copier or printer equipment.
<u>Respiratory Protection</u>	None required when used as intended in copier or printer equipment.

9. Physical and Chemical Properties

<u>Appearance</u>	Finely divided black powder
<u>Odor</u>	Faint
<u>Basic Physical Properties</u>	Specific Gravity ~1.3 Solubility (in Water): Negligible

10. Stability and Reactivity

<u>Stability:</u>	Stable
<u>Conditions to Avoid (stability):</u>	None
<u>Hazardous Decomposition Products:</u>	Products of combustion are toxic. Avoid breathing smoke.
<u>Conditions to Avoid (polymerization):</u>	None
<u>Hazardous Polymerization:</u>	Will not occur

11. Toxicological Information

Miscellaneous Toxicological Information

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Nashua Corporation

Material Safety Data Sheet

Revision Date: 2-17-04

Product: Compatible Toner for use in Oce 9600,TDS400,TDS600 Printer

1. Chemical Product and Company Identification

Product Code: ETAB5

2. Composition/Information on Ingredients

Ingredient	Exposure Limits	Conc. % by Weight
Polyester Resin (CAS#: 114352-07-7)		30 to 50
Epoxy-Ester resin (Proprietary)		<30
Iron Oxide (CAS#: 1317-61-7)		<20
Carbon Black (CAS#: 1333-86-4)		<5
Dye (CAS#: 84179-66-8)		<4
Amorphous Silica (CAS#: 68611-44-9)		<5

All Chemicals contained in this product are not subject to TSCA

3. Hazards Identification

Potential Health Effects

Eyes: Not an irritant

Skin: A non-irritant and non-sensitizer

Ingestion: Practically non-toxic

Inhalation: Minimal respiratory tract irritation may occur as with exposure to large amounts of non-toxic dust.
TLV: 10 mg/cubicmeter (Total Dust) • 5 mg/cubicmeter (Respirable Dust)

4. First Aid Measures

Eyes: Flush with water

Skin: Wash with Soap and water

Ingestion: Dilute stomach contents with several glasses of water.

Inhalation: Remove from exposure

5. Fire Fighting Measures

Fire and Explosion Hazards Toner is a combustible powder. When dispersed in air, it forms explosive mixtures.

Extinguishing Media Water, foam, dry chemical

Fire Fighting Instructions Avoid inhalation of smoke

6. Accidental Release Measures

Loose toner can be removed using a vacuum cleaner. Residue can be removed with soap and water. After removal of loose toner, garments may be washed or dry cleaned.

7. Handling and Storage

Handling and Storage Precautions: Avoid prolonged inhalation of excessive dust. Avoid storage temperatures in excess of 90°F

Work/Hygienic Practices: For use other than normal customer-operating procedures (such as bulk processing facilities), goggles and respirators may be required. For information contact Nashua Corporation.

8. Exposure Controls/Personal Protection

<u>Eye/Face Protection</u>	None required when used as intended in copier or printer equipment.
<u>Skin Protection</u>	None required when used as intended in copier or printer equipment.
<u>Respiratory Protection</u>	None required when used as intended in copier or printer equipment.

9. Physical and Chemical Properties

<u>Appearance</u>	Finely divided black powder
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