

# Material Safety Data Sheet

Revision Date: 8/13/01  
MSDS Number: 420

**Product:** Xante Colour Laser/Screenwriter Dye Sub Toner – Cyan

## 1. Chemical Product and Company Identification



International Communication Materials, Inc.  
119 ICMI Road  
Connellsville, PA 15425

**Company Contact:** ICMI Mfg. Office 24 Hrs a Day • Phone: (724)628-1014 Extension 7924  
**Emergency Telephone #:** Chemtrec (800)424-9300 (24 Hour Service)

**Product Code:** 310BTB1  
**Product Synonyms:**

## 2. Composition/Information on Ingredients

Ingredient	Exposure Limits	Conc. % by Weight
Polyester Resin CAS Number: 114352-07-7 Blue Dye (Proprietary) Polyolefin CAS Number: 9003-07-0 Organic Compound (Proprietary)		

## 3. Hazards Identifications

### 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 ICMI.

## 8. Exposure Controls/Personal Protection

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

## 9. Physical and Chemical Properties

<b><u>Appearance</u></b>	Finely divided black powder
<b><u>Odor</u></b>	Faint
<b><u>Basic Physical Properties</u></b>	Melting Point: 92°C Specific Gravity ~1.3 Solubility (in Water): Negligible

## 10. Stability and Reactivity

<b><u>Stability:</u></b>	Stable
<b><u>Conditions to Avoid (stability):</u></b>	None
<b><u>Hazardous Decomposition Products:</u></b>	Products of combustion are toxic. Avoid breathing smoke.
<b><u>Conditions to Avoid (polymerization):</u></b>	None
<b><u>Hazardous Polymerization:</u></b>	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.

<b><u>Mutagenicity</u></b>	No mutagenicity detected by Ames Test
<b><u>Carcinogens</u></b>	None Present
<b><u>Medical Conditions Aggravated by Exposure</u></b>	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).

The above listed brand names and models designations are intended only to show the compatibility of this ICMI product with various machines. ICMI is not affiliated with the manufacturer of any of these machines.

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# Material Safety Data Sheet

Revision Date: 8/13/01  
MSDS Number: 421

**Product:** Xante Colour Laser/Screenwriter Dye Sub Toner – Magenta

## 1. Chemical Product and Company Identification



International Communication Materials, Inc.  
119 ICMI Road  
Connellsville, PA 15425

**Company Contact:** ICMI Mfg. Office 24 Hrs a Day • Phone: (724)628-1014 Extension 7924  
**Emergency Telephone #:** Chemtrec (800)424-9300 (24 Hour Service)

**Product Code:** 320BTB1

**Product Synonyms:**

## 2. Composition/Information on Ingredients

Ingredient	Exposure Limits	Conc. % by Weight
Polyester Resin CAS Number: 114352-07-7 Red Dye (Proprietary) Polyolefin CAS Number: 9003-07-0 Organic Compound (Proprietary)		

## 3. Hazards Identifications

### 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 ICMI.

## 8. Exposure Controls/Personal Protection

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

## 9. Physical and Chemical Properties

<b><u>Appearance</u></b>	Finely divided black powder
<b><u>Odor</u></b>	Faint
<b><u>Basic Physical Properties</u></b>	Melting Point: 92°C Specific Gravity ~1.3 Solubility (in Water): Negligible

## 10. Stability and Reactivity

<b><u>Stability:</u></b>	Stable
<b><u>Conditions to Avoid (stability):</u></b>	None
<b><u>Hazardous Decomposition Products:</u></b>	Products of combustion are toxic. Avoid breathing smoke.
<b><u>Conditions to Avoid (polymerization):</u></b>	None
<b><u>Hazardous Polymerization:</u></b>	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.

<b><u>Mutagenicity</u></b>	No mutagenicity detected by Ames Test
<b><u>Carcinogens</u></b>	None Present
<b><u>Medical Conditions Aggravated by Exposure</u></b>	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).

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# Material Safety Data Sheet

Revision Date: 8/13/01  
MSDS Number: 422

**Product:** Xante ColourLaser/Screenwriter Dye Sub Toner – Yellow

## 1. Chemical Product and Company Identification



International Communication Materials, Inc.  
119 ICMI Road  
Connellsville, PA 15425

**Company Contact:** ICMI Mfg. Office 24 Hrs a Day • Phone: (724)628-1014 Extension 7924  
**Emergency Telephone #:** Chemtrec (800)424-9300 (24 Hour Service)

**Product Code:** 330BTB1  
**Product Synonyms:**

## 2. Composition/Information on Ingredients

Ingredient	Exposure Limits	Conc. % by Weight
Polyester Resin CAS Number: 114352-07-7 Yellow Dye (Proprietary) Polyolefin CAS Number: 9003-07-0 Organic Compound (Proprietary)		

## 3. Hazards Identifications

### 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 ICMI.

## 8. Exposure Controls/Personal Protection

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

## 9. Physical and Chemical Properties

<b><u>Appearance</u></b>	Finely divided black powder
<b><u>Odor</u></b>	Faint
<b><u>Basic Physical Properties</u></b>	Melting Point: 92°C Specific Gravity ~1.3 Solubility (in Water): Negligible

## 10. Stability and Reactivity

<b><u>Stability:</u></b>	Stable
<b><u>Conditions to Avoid (stability):</u></b>	None
<b><u>Hazardous Decomposition Products:</u></b>	Products of combustion are toxic. Avoid breathing smoke.
<b><u>Conditions to Avoid (polymerization):</u></b>	None
<b><u>Hazardous Polymerization:</u></b>	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.

<b><u>Mutagenicity</u></b>	No mutagenicity detected by Ames Test
<b><u>Carcinogens</u></b>	None Present
<b><u>Medical Conditions Aggravated by Exposure</u></b>	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**

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# Material Safety Data Sheet

Revision Date: 8/13/01  
MSDS Number: 423

**Product:** Xante Colour Laser/Screenwriter Dye Sub Toner – Black

## 1. Chemical Product and Company Identification



International Communication Materials, Inc.  
119 ICMI Road  
Connellsville, PA 15425

**Company Contact:** ICMI Mfg. Office 24 Hrs a Day • Phone: (724)628-1014 Extension 7924  
**Emergency Telephone #:** Chemtrec (800)424-9300 (24 Hour Service)

**Product Code:** 340BTB1  
**Product Synonyms:**

## 2. Composition/Information on Ingredients

Ingredient	Exposure Limits	Conc. % by Weight
Polyester Resin CAS Number: 114352-07-7 Mixed Dyes (Proprietary) Polyolefin CAS Number: 9003-07-0 Organic Compound (Proprietary)		

## 3. Hazards Identifications

### 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 ICMI.

## 8. Exposure Controls/Personal Protection

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

## 9. Physical and Chemical Properties

<b><u>Appearance</u></b>	Finely divided black powder
<b><u>Odor</u></b>	Faint
<b><u>Basic Physical Properties</u></b>	Melting Point: 92°C Specific Gravity ~1.3 Solubility (in Water): Negligible

## 10. Stability and Reactivity

<b><u>Stability:</u></b>	Stable
<b><u>Conditions to Avoid (stability):</u></b>	None
<b><u>Hazardous Decomposition Products:</u></b>	Products of combustion are toxic. Avoid breathing smoke.
<b><u>Conditions to Avoid (polymerization):</u></b>	None
<b><u>Hazardous Polymerization:</u></b>	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.

<b><u>Mutagenicity</u></b>	No mutagenicity detected by Ames Test
<b><u>Carcinogens</u></b>	None Present
<b><u>Medical Conditions Aggravated by Exposure</u></b>	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**

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