

## MATERIAL SAFETY DATA SHEET

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### Section 1: Identification of the Substance/Preparation and the Company/Undertaking

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Product Name: CF Ink

Manufacturer: Appleton Papers Inc.  
825 East Wisconsin Avenue  
Appleton, WI 54911 USA

Information Phone: 920-991-8875  
Emergency Phone: 800-424-9300 (Chemtrec)  
Email: ehsp@appletonideas.com  
Date of Preparation/Revision: 07/13/11  
Product Use: Carbonless paper imaging ink

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### Section 2. Hazards Identification

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#### Emergency Overview

May cause eye irritation. Prolonged skin contact may cause drying, defatting and dermatitis. Inhalation of vapors or mists may cause respiratory irritation, headache and dizziness. Prolonged inhalation of kaolin dust may cause lung damage. Refer to Section 11 for additional information.

**Product Description:** This product is a light tan paste with an oily adhesive odor.  
**US OSHA Classification (29CFR1910.1200):** Eye Irritant, Target Organ Effects  
**EU Preparation Classification (1999/45/EC):** Not classified as a dangerous preparation.

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### Section 3. Composition / Information on Ingredients

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Component	CAS Number/ EINECS Number	Amount	EU Classification (67/548/EEC)
Non-Hazardous Polymers	Mixture	30-50%	Not Applicable
Mineral Seal Oil	64741-44-2 / 265-044-7	10-25%	Not Applicable
1-Tetradecanol	112-72-1 / 204-000-3	10-20%	Xi R36
Kaolin, Calcined	92704-41-1/296-473-8	10-30%	Not Applicable
Non-hazardous ingredients	Mixture	1-15%	Not Applicable

Refer to Section 16 for Full Text of EU Classes and R Phrases

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### Section 4. First Aid Measures

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**Eyes:** Remove contact lenses if present. Flush eyes thoroughly with water for at least 15 minutes. If irritation persists, seek medical attention.

**Skin:** Remove contaminated clothing. Wash skin thoroughly with soap and water. Launder contaminated clothing before reuse. If irritation develops, seek medical attention.

**Ingestion:** If swallowed, CALL A PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION. If professional advice is not available, DO NOT induce vomiting. This material may cause lung injury if aspirated during vomiting. Never induce vomiting or give diluents to someone who is unconscious, having convulsions, or who cannot swallow.

**Inhalation:** Move person to fresh air. Seek medical attention if irritation or other symptoms persist.

### Section 5. Fire Fighting Measures

**Extinguishing Media:** Use water spray or fog, dry chemical, carbon dioxide or foam. Do not use solid stream of water as that may spread fire.

**Unusual Fire and Explosion Hazards:** This product is not classified as flammable or combustible but will burn under fire conditions.

**Special Fire Fighting Procedures:** Wear positive pressure self-contained breathing apparatus and full protective clothing.

**Hazardous Combustion Products:** Combustion may generate carbon monoxide, carbon dioxide, ketones, aldehydes, alcohols, aromatics and smoke.

### Section 6. Accidental Release Measures

Eliminate sources of ignition. Contain and collect spill with inert materials such as commercial absorbent, sand or earth. Protective clothing as needed to avoid eye and skin contact should be worn (see Section 8). Large quantities should be collected into containers for recovery. Avoid contamination of water supplies and environmental releases. Report spills as required to authorities.

Refer to Section 13 for disposal information.

### Section 7. Handling and Storage

**Handling:** Avoid breathing vapors, mists and aerosols. Use with adequate ventilation. Avoid contact with the eyes. Avoid prolonged contact with skin and clothing. Wear impervious gloves, chemical safety goggles and appropriate protective clothing when handling this material. Wash thoroughly after handling. Do not eat, drink or smoke in the work area. Keep containers closed when not in use.

**Storage:** Store at room temperature in cool; dry, well ventilated place away from excessive heat and incompatible materials.

### Section 8. Exposure Controls / Personal Protection

**Exposure Limits:**

Component	Exposure Limit	Source
Non-Hazardous Polymers	None Established	Not Applicable
Mineral Seal Oil (as oil mist)	5 mg/m <sup>3</sup> TLV-TWA (inhalable) 5 mg/m <sup>3</sup> PEL-TWA	ACGIH OSHA
1-Tetradecanol	None Established	Not Applicable
Kaolin, Calcined	15 mg/m <sup>3</sup> PEL-TWA (total dust) 5 mg/m <sup>3</sup> PEL-TWA (respirable dust) 2 mg/m <sup>3</sup> TLV-TWA (respirable dust) 2 mg/m <sup>3</sup> TWA (respirable dust)	OSHA OSHA ACGIH UK WEL

**Engineering Controls:** Use with adequate general or local exhaust ventilation to maintain concentration of hazardous constituents below recommended limits.

**Respiratory Protection:** Not necessary if workplace concentrations of hazardous constituents are below recommended limits. If the exposure limit is exceeded, a NIOSH or local authority approved respirator should be worn. Respirator selection and use should be based on contaminant type, form and concentration. Follow OSHA 1910.134, ANSI Z88.2, other applicable regulations and good Industrial Hygiene practice.

**Eye Protection:** Safety glasses or goggles recommended.

**Skin Protection:** Impervious gloves such as neoprene or polyethylene recommended. Wear protective clothing as required to avoid prolonged or repeated skin contact when handling.

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**Section 9. Physical and Chemical Properties**

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**Appearance and Odor:** Light tan paste with an oily adhesive odor

<b>Solubility in Water:</b> Insoluble	<b>Boiling Point:</b> Not available
<b>pH:</b> 4.5	<b>Melting Point:</b> Not applicable
<b>Specific Gravity:</b> Greater than 1	<b>Vapor Density:</b> 5 (mineral oil)
<b>Evaporation Rate:</b> Not available	<b>Vapor Pressure:</b> 0.01 mmHg @ 20°C (mineral oil)
<b>Partition Coefficient:</b> Not available	<b>Flash Point:</b> >250°F (121°C)
<b>VOC Content:</b> Not available	<b>Explosive Limits:</b> LEL: 0.5% UEL: 7%
	<b>Autoignition Temperature:</b> Not available

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**Section 10. Stability and Reactivity**

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**Stability:** Stable.

**Incompatibility:** Avoid strong oxidizers, acids and halogens.

**Hazardous Decomposition Products:** Products of combustion include carbon dioxide, carbon monoxide ketones, aldehydes, alcohols, aromatics and smoke. Heating product may release small amounts of formaldehyde.

**Hazardous Polymerization:** Will not occur.

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**Section 11. Toxicological Information**

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**Health Hazards**

**Inhalation:** Breathing vapors or mists may cause mild irritation to the nose, throat and upper respiratory tract.

**Skin Contact:** May cause mild skin irritation, drying, defatting and possible dermatitis with prolonged or repeated contact.

**Eye Contact:** May cause irritation and corneal inflammation.

**Ingestion:** Swallowing may cause gastrointestinal disturbances. Not expected to be acutely toxic. This material can enter the lungs during swallowing or vomiting resulting in lung inflammation and injury.

**Chronic Health Effects:** Prolonged inhalation of respirable kaolin above the occupational exposure limit may cause lung damage.

**Carcinogenicity:** None of the components present at 0.1% or greater is listed as a potential carcinogen by ACGIH, IARC, NTP, OSHA or the EU Directives.

**Mutagenicity:** This product is not expected to present a risk of genetic damage.

**Reproductive Toxicity:** This product is not expected to present a risk of adverse reproductive or developmental toxicity.

**Acute Toxicity Values:**

Mineral Seal Oil: LD50 oral rat 5 g/kg, LD50 skin rabbit 2 g/kg

1-Tetradecanol: LD50 oral rat >20 g/kg, LD50 skin rabbit 8 g/kg

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**Section 12. Ecological Information**

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No data is available for the product. This product is not expected to be acutely toxic to aquatic organisms.

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**Section 13. Disposal Considerations**

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Dispose in accordance with all local, state and federal regulations.

**Section 14. Transport Information**

**Transportation Classification:** Not regulated as a hazardous material for transportation.

**Section 15. Regulatory Information**

**United States Regulations:**

**OSHA Status:** Hazardous – a MSDS is required for this product.

**EPA SARA Regulations:**

SARA 311/312 Hazard Categories:

- N – Fire Hazard
- N – Sudden Release of Pressure
- N – Reactivity
- Y – Acute Health
- Y – Chronic Health

SARA 313: This contains the following chemicals above deminimus concentrations subject to the notification or reporting requirements of SARA 313: Zinc compounds <30-50%

**CERCLA Section 103:** Not applicable

**RCRA Status:** This product, as sold, is not regulated under RCRA as a hazardous waste.

**TSCA Status:** All of the components of this product are listed on the EPA TSCA inventory.

**California Proposition 65:** This product contains the following chemicals known to the State of California to cause cancer and/or reproductive harm: None known

**International Regulations:**

**Canadian Environmental Protection Act:** All of the ingredients are listed on the Canadian Domestic Substances List.

**Canadian WHMIS Classification:** Class D-2-B (Eye Irritant, Chronic effects)

**European Inventory of Existing Commercial Chemical Substances (EINECS):** All of the ingredients are listed on the EINECS inventory.

**EU Labeling:** None required.

**Section 16. Other Information**

**NFPA RATING (NFPA 704)**      FIRE: 1              HEALTH: 1              REACTIVITY: 0

**HMIS RATING**                      FIRE: 1              HEALTH: 1\*              REACTIVITY: 0  
\* chronic health effect

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

Xi Irritant  
R36 Irritating to eyes.

**Effective Date:** 07/13/11

**Supersedes Date:** 02/21/08

**Revision to Sections:** Section 8 exposure limits

**MSDS Number:** API-CCS-001

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