

MATERIAL SAFETY DATA SHEET

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

Product Name: CF Flexo Ink

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

Information Phone: 920-991-8875
Emergency Phone: 800-424-9300 (Chemtrec) 1-703-527-3887 for international calls
Email: ehsps@appletonideas.com
Date of Preparation/Revision: 10/20/07
Product Use: Used in the manufacture of carbonless paper.

Section 2. Hazards Identification

Emergency Overview

May cause mild eye and skin irritation. Inhalation of vapors or mists may cause respiratory irritation. Prolonged inhalation of kaolin dust may cause lung damage. Refer to Section 11 for additional information.

Product Description: This product is a milky-white liquid with a faint, sweet or no odor.

US OSHA Classification (29CFR1910.1200): Target Organ Effects

EU Preparation Classification (1999/45/EC): Not classified as a dangerous preparation.

Section 3. Composition / Information on Ingredients

Component	CAS Number/ EINECS Number	Amount	EU Classification (67/548/EEC)
Non-Hazardous Polymers	Mixture	10-40%	Not Applicable
Kaolin	66402-68-4 / 266-340-9	10-20%	Not Applicable
Water and other non-hazardous ingredients	Mixture	40-80%	Not Applicable

Section 4. First Aid Measures

Eyes: Remove contact lenses if present. Flush eyes thoroughly with water. 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 unless directed to do so by medical personnel. Give one of two glasses of water to drink. 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 any media that is appropriate for the surrounding fire.

Unusual Fire and Explosion Hazards: This product will not burn until all the water has evaporated. Dried coating may burn and high concentrations of suspended dust may present a dust explosion hazard.

Special Fire Fighting Procedures: Wear positive pressure self-contained breathing apparatus and full protective clothing.
Hazardous Combustion Products: Combustion of dried coating can create toxic fumes and vapors including carbon dioxide, carbon monoxide, hydrocarbons and smoke.

Section 6. Accidental Release Measures

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). If product has dried, avoid clean-up methods that create airborne dust. 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
Kaolin	15 mg/m ³ PEL-TWA (total dust)	OSHA
	5 mg/m ³ PEL-TWA (respirable dust)	OSHA
	2 mg/m ³ TLV-TWA (respirable dust)	ACGIH
	2 mg/m ³ TWA (respirable dust)	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 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 recommended. Wear protective clothing as required to avoid prolonged or repeated skin contact when handling.

Section 9. Physical and Chemical Properties

Appearance and Odor: Milky-white liquid with a faint, sweet or no odor

Solubility in Water: Dispersible	Boiling Point: Not available
pH: 4-5	Melting Point: Not applicable
Specific Gravity: Greater than 1	Vapor Density: Same as water
Evaporation Rate: Same as water	Vapor Pressure: Same as water
Partition Coefficient: Not Available	Flash Point: Not applicable
VOC Content: <10%	Explosive Limits: Not applicable (dust from dry product may be explosive at high concentrations in air)

	Autoignition Temperature: Not applicable
--	---

Section 10. Stability and Reactivity

Stability: Stable.

Incompatibility: Avoid strong oxidizers.

Hazardous Decomposition Products: Products of combustion include carbon dioxide, carbon monoxide, hydrocarbons and smoke.

Hazardous Polymerization: Will not occur.

Section 11. Toxicological Information

Health Hazards

Inhalation: Breathing vapors or mists may cause mild irritation to the nose, throat and upper respiratory tract. Prolonged inhalation of respirable kaolin above the occupational exposure limit may cause lung damage.

Skin Contact: May cause mild skin irritation with prolonged or repeated contact.

Eye Contact: May cause mild, transient irritation. Dust from dried product may cause mechanical, abrasive injury.

Ingestion: Swallowing may cause gastrointestinal disturbances. Not expected to be acutely toxic.

Carcinogenicity: None of the components is listed as a potential carcinogen by 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: No toxicity data is available.

Section 12. Ecological Information

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

Section 13. Disposal Considerations

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
N – Acute Health
Y – Chronic Health

SARA 313: This contains the following chemicals above de minimus concentrations subject to the notification or reporting requirements of SARA 313: Zinc compounds <2%

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 (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: 0 HEALTH: 1 REACTIVITY: 0

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

Effective Date: 10/20/07

Supersedes Date: New MSDS

Revision to Sections: New MSDS

MSDS Number: API-CCS-002

This information is furnished without warranty, expressed or implied. It is accurate to the best knowledge of Appleton Papers, Inc. The data on this sheet is related only to the specific product designated herein. Appleton Papers, Inc. assumes no legal responsibility for the use or reliance upon these data.