

MATERIAL SAFETY DATA SHEET

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

Product Name: Thermal Paper, All Grades

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

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Date of Preparation/Revision: 10/28/10
Product Use: Paper for consumer and professional use.

Section 2 Hazards Identification

Emergency Overview

Thermal Paper is considered an "Article" as OSHA uses that term. It therefore does not create an exposure to any constituent chemicals that are hazardous according to OSHA's use of that term under normal conditions of use. Inhalation of dust that may be generated from cutting or other processing of product may cause mucous membrane and upper respiratory irritation. Dust may cause mild eye irritation. High concentrations of any organic dust, including paper dust, in air may present a dust explosion hazard. Refer to Section 5 and 11 for additional information.

Product Description: Solid paper in roll or sheet form

US OSHA Classification (29CFR1910.1200): Not Hazardous

Canadian WHMIS Classification: Not a controlled product.

EU Preparation Classification (1999/450.1/EC): Not a dangerous preparation.

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

Section 3. Composition / Information on Ingredients

Component	CAS Number/ EINECS Number	Amount	EU Classification (67/548/EEC)
Basestock Paper	Mixture	70-95%	Not Applicable
Kaolin	1332-58-7	10-20%	Not Applicable
Calcium Carbonate	1317-65-3 / 215-279-6	1-5%	Not Applicable

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

Section 4 First Aid Measures

Eyes: Flush eyes thoroughly with water. If irritation persists, seek medical attention.

Skin: No first aid should be needed.

Ingestion: If large amount is swallowed, get medical advice.

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

Section 5. Fire Fighting Measures

Extinguishing Media: Water is the most effective agent for fighting fires involving paper products. Not incompatible with any extinguishing agent.

Unusual Fire and Explosion Hazards: This product is an ordinary combustible and will burn under fire conditions. High concentrations of any suspended organic dust, including dust that may be generated from processing this product, 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 products include carbon dioxide, carbon monoxide and smoke.

Section 6. Accidental Release Measures

Eliminate flames and other sources of ignition. Avoid creating dust during clean-up process. Contain and collect spilled materials for use or disposal. Nonsparking tools should be used. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentrations. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air.). 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: This product is not hazardous. No special handling is required unless processed in a manner that generates dust. Minimize the generation and accumulation of dust. Keep product away from heat, flames and other sources of ignition. Potential dust explosion hazard - use good housekeeping to prevent accumulation of dust in the work area. Dry powders can build static electricity charges when subjected to friction of transfer and in mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.

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
Basestock paper	15 mg/m ³ PEL-TWA (total dust)	OSHA
	5 mg/m ³ PEL-TWA (respirable dust)	OSHA
	10 mg/m ³ TLV-TWA (total dust)	ACGIH
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
Calcium Carbonate	15 mg/m ³ PEL-TWA (total dust)	OSHA
	5 mg/m ³ PEL-TWA (respirable dust)	OSHA

Engineering Controls: No special ventilation is required for normal handling and use. Provide appropriate exhaust ventilation at places where dust or fumes are formed if this product is further processed. Use explosion-proof equipment where required. . It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment. Ensure that dust handling systems (such as exhaust ducts, dust collectors, vessels and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e. there is no leakage from the equipment). Use only appropriately classified electrical equipment and powered industrial trucks.

Respiratory Protection: Not necessary if workplace concentrations of hazardous constituents are below recommended limits. If the exposure limit is exceeded, an approved respirator should be worn. Respirator selection and use should be based on

contaminant type, form and concentration. Follow local regulations and good Industrial Hygiene practice.

Eye Protection: Follow facility requirements.

Skin Protection: None required.

Section 9. Physical and Chemical Properties

Appearance and Odor: Solid paper in roll or sheet form, faint odor

Solubility in Water: Insoluble	Boiling Point: Not Applicable
pH: Not Applicable	Melting Point: Not Applicable
Specific Gravity: Not Applicable	Vapor Density: Not Applicable
Evaporation Rate: Not Applicable	Vapor Pressure: Not Applicable
Partition Coefficient: Not Applicable	Flash Point: Not Applicable
Autoignition Temperature: None determined	Explosive Limits: LEL: Not Applicable UEL: Not Applicable
VOC Content: Not Applicable	

Section 10. Stability and Reactivity

Stability: Stable.

Incompatibility: Avoid excessive heat and strong oxidizers.

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

Hazardous Polymerization: Will not occur.

Section 11. Toxicological Information

Health Hazards

Inhalation: Inhalation of dust that may be generated from cutting or other processing of product may cause mucous membrane and upper respiratory irritation.

Skin Contact: None expected.

Eye Contact: None expected. Dust particles may cause abrasive irritation.

Ingestion: Not expected to be acutely toxic.

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 Directive.

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: This product is not expected to be acutely toxic based on an evaluation of the component materials.

Section 12. Ecological Information

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

Section 13. Disposal Considerations

Dispose in accordance with all local, state/provincial and national regulations. Local regulations may be more stringent than regional and national requirements. It is the responsibility of the waste generator to determine the toxicity and physical characteristics of the material to determine the proper waste identification and disposal in compliance with applicable regulations.

Section 14. Transport Information

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

Section 15. Regulatory Information

United States Regulations:

OSHA Status: Not Hazardous – a MSDS is not required for this product unless further processing generates dust.

EPA SARA Regulations:

SARA 311/312 Hazard Categories:

- N – Fire Hazard
- N – Sudden Release of Pressure
- N – Reactivity
- N – Acute Health
- N – Chronic Health (If respirable dust is generated Chronic Health applies)

SARA 313: This contains the following chemicals above de minimus concentrations subject to the notification or reporting requirements of SARA 313: None

CERCLA Section 103: Not applicable

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

TSCA Status: This product is an article and not subject to TSCA.

California Proposition 65: This product may contain a very small amount of crystalline silica which is known by the State of California to cause cancer. This silica is bound in a polymer matrix and is not respirable, therefore, no warning is required.

International Regulations:

Canadian Environmental Protection Act: This product is a manufactured article and not subject to chemical notification requirements.

Canadian WHMIS Classification: Not a controlled product.

This MSDS has been prepared according to the criteria of the Controlled Products Regulation (CPR) and the MSDS contains all of the information required by the CPR.

European Inventory of Existing Commercial Chemical Substances (EINECS): This product is a manufactured article and not subject to chemical notification requirements.

EC Labeling: None required

Section 16. Other Information

NFPA RATING (NFPA 704)	FIRE: 1	HEALTH: 0	INSTABILITY: 0
HMIS RATING	FIRE: 1	HEALTH: 0	PHYSICAL HAZARD: 0

Effective Date: 10/28/10

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