

# Safety Data Sheet (SDS)

Cindus Corporation  
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Emergency Phone Number 513 948 8800

Product: Starch Coated Elastikraft  
Date: 6/14/16

## 1. Product Identification

Creped paper made from asphaltic laminated kraft and corn starch

## 2. Principal Ingredients/Identity Information

Name	CAS#	%	Agency	Exposure Limits	Comments
Kraft paper	9004-34-6	67	OSHA	PEL-TWA 15mg/m3 PEL-TWA 5mg/m3 ACGIH 10mg/m3	Total dust Respirable dust Total dust
Corn Starch	9005-25-8	1		PEL-TWA 15mg/m3 PEL-TWA 5mg/m3 ACGIH 10mg/m3	Total dust Respirable dust Total dust
Asphaltic Laminate	64742-93-4	31		None	

## 3. Hazard Identification

**Appearance and Odor:** The product is odorless rolled paper.

**Primary Health Hazards:** The primary health hazard posed by this product is thought to be due to exposure to dust. It may pose combustible dust explosion hazard if paper dust is in air in sufficient concentrations and in proximity to an ignitions source. Product as supplied and shipped does not constitute a combustible dust explosion hazard. Users of this product should examine the potential to generate paper dust during handling and processing and related combustibility hazards and controls.

### Primary Route(s) of Exposure:

- Ingestion:
- Skin:
- Inhalation: Dust

**Medical Conditions Generally Aggravated by Exposure:** Paper dust may aggravate pre-existing respiratory conditions or allergies.

**Chronic Health Hazards:** Paper dust is a biologically inert dust that has little or no effect on the lungs and does not produce significant organic disease or toxic effects when allowable exposure limits are met.

### Carcinogenicity Listing:

- NTP: Not listed
- IARC Monographs Not listed
- OSHA Regulated Not listed

## 4. Emergency and First-Aid Procedures

**Ingestion:** Not applicable for the product in purchased form.

**Eye Contact:** Dust may mechanically irritate the eyes, resulting in redness or watering. Treat dust in the eye as a foreign object. Flush with water to remove dust particles. Get medical help if irritation persists.

**Skin Contact:** Not applicable for the product in purchased form.

**Skin Absorption:** Not applicable for the product in purchased form.

**Inhalation:** Excessive dust concentrations may cause unpleasant obstruction in the nasal passages. Remove to fresh air. Get medical help if persistent irritation, severe coughing or breathing difficulty occurs.

## 5. Fire and Explosion Data

**Flash Point:** (Method Used): NAP.

### Flammable Limits:

**LEL:** See below under "unusual Fire and Explosion Hazards".

**UEL:** NAP.

**Extinguishing Media:** Water.

**Auto-ignition Temperature:** 450°F (232°C)

**Special Firefighting Procedures:** None

**Unusual Fire and Explosion Hazards:** Paper processing may result in the release of cellulose fibers. Depending on moisture content, particle diameter and rate of heating, cellulose dust may explode in the presence of an ignition source. An airborne concentration of 30,000 mg/m<sup>3</sup> is often used as the LEL for cellulose pulp. Firefighters should wear self-contained breathing apparatus.

#### 6. Accidental Release Measures

**Steps to be taken In Case Material Is Released or Spilled:** Not applicable for the product in purchased form. Sweep or vacuum dust for recovery or disposal. Use NIOSH/MSHA approved dust respirator and goggles where ventilation is not possible and exposure limits may be exceeded. Minimize air blow down or other practices that generated high dust levels.

#### 7. Handling and Storage

**Precautions to be taken in Handling and Storage:** No special handling precautions are required for product in purchased form. Keep in cool, dry place away from open flame. Minimize dust generation and accumulation. Maintain good housekeeping to avoid dried paper dust on exposed surfaces.

#### 8. Exposure Control Measures

**Personal Protective Equipment:**

**RESPIRATORY PROTECTION:** Not applicable for the product in purchased form. A NIOSH/MSHA approved dust respirator is recommended when allowable exposure limits may be exceeded.

**PROTECTIVE GLOVES:** Not applicable for the product in purchased form. The product is odorless rolled paper.

**EYE PROTECTION:** Not applicable for the product in purchased form. However, goggles or safety glasses are recommended if the product is used in such a way as to generate high dust levels. Paper dust should be considered as an eye irritant.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Not applicable for the product in purchased form. Outer garments may be desirable in extremely dusty areas.

**WORK/HYGIENE PRACTICES:** Not applicable for the product in purchased form.

**Ventilation:**

LOCAL EXHAUST – Provide local exhaust as needed so that exposure limits are met.

MECHANICAL (GENERAL) – Provide general ventilation in processing and storage areas so that exposure limits are met.

SPECIAL – None.

OTHER – None.

#### 9. Physical/Chemical Properties

**Boiling Point:** NAP

**Vapor Pressure:** NAP

**Vapor Density (air = 1; 1atm):** NAP

**Melting Point:** NAP

**Evaporation Rate (Butyl acetate = 1):** NAP

**Solubility in Water (% by weight):** Insoluble, 2% extractable

**% Volatile by Volume [@70°F (21°C):** NAP

**pH:** NAP

#### 10. Stability and Reactivity

**Stability:** ( ) Unstable (x) Stable

**Conditions to avoid:** Avoid open flame and sparks

**Incompatibility (Materials to avoid):** NAP

**Hazardous Decomposition or By-Products:** Combustion products include carbon monoxide and carbon dioxide.

**Hazardous Polymerization:** ( ) May Occur (x) Will not occur

#### 11. Toxicological Information:

None available for product in purchased form. Individual component information is listed below if available.

Paper: LC<sub>50</sub> (rates, inhalation) = 5,800 mg/m<sup>3</sup>/4 hrs.

Source: *Registry of Toxic Effects of Chemical Substances (RTECS)*, National Institute of Occupational Safety and Health (provided by Canadian Centre for Occupational Health and Safety, CCINFO august 1995); Lewis, R.J. Sr. 1992. *Sax's Dangerous Properties of Industrial Materials*, Eighth Ed. Van Nostrand Reinhold, NY.

#### 12. Ecological Information

No information available for product in purchased form.

### **13. Disposal Considerations**

**Waste Disposal Method:** If disposed or discarded in purchased form, incineration or dry land disposal is acceptable. It is, however, the user's responsibility to determine at the time of disposal whether your product meets EPA RCRA criteria for hazardous waste. Dispose in accordance with Federal, State and local regulations.

### **14. Transport Information**

National Motor Freight Classification Class 70

### **15. Regulatory Information**

The product as provided is deemed compliant to the following.

- Non-hazardous per OSHA standard 29CFR 1910.1200
- Conference of Northeastern Governors (CONEG) concerning heavy metals
- European Union (EU) 94/62/EC
- RoHS EU Directive (2005/618/EC)
- EU REACH SVHC Registration, Evaluation, Authorization and Restriction of Chemicals
- State of California Proposition 65 Safe Drinking Water Act
- Food Allergen Labeling and Consumer Protection Act of 2004
- Consumer Product Safety Improvement Act (CPSIA)
- Frank-Dodd Section 1502: Conflict Minerals
- Animal Derived Materials (ADM)
- Bovine Spongiform Encephalopathy
- Natural Rubber Latex

Contact Cindus Corporation for additional details concerning applicable FDA compliance or other regulatory information

It is the user's responsibility to determine what other regulatory information is relevant to the usage of this product.

### **16. Additional Information**

**User's Responsibility:** The information contained in this Material Safety Data Sheet is based on that available from occupational health and safety professionals and comes from sources believed to be accurate or otherwise technically correct. It is the user's responsibility to determine if this information is suitable for their applications and to follow safety precautions as may be necessary. The user has the responsibility to make sure that this sheet is the most up-to-date issue.