



Product Name: Hexcel Kraft Paper

### Safety Data Sheet

#### 1. Identification

**PRODUCT IDENTIFIER:** Hexcel Kraft Paper

**SYNONYM(S):** Hexcel Kraft Paper

**RECOMMENDED USE:** Paper product for packaging materials.

**CHEMICAL FORMULA:**  $(C_6H_{10}O_5)_n$

**CAS No.:** 65996-61-4

**SUPPLIER/MANUFACTURER** (*checkbox indicates where product is in use*):

Canadian Kraft Paper, Highway #10 N, The Pas MB R9A 1L4 phone 204-623-7411

**Emergency Phone Numbers – CANUTEC at 613-996-6666 or \*666 on a cellular phone**

#### 2. Hazard Identification

**CLASSIFICATION:**

Combustible Dust (OSHA Defined Hazard)

**NOTE:** This product is not hazardous in the form in which it is shipped by the manufacturer but may become hazardous as the result of downstream activities (e.g. cutting, processing) that reduces its particle size resulting in potential hazards as described below.

**HAZARD PICTOGRAMS:** None

**SIGNAL WORD:** **WARNING**

**HAZARD STATEMENTS:**

If converted to small particles during further processing, handling, or by other means, may form combustible dust concentrations in air.

**PRECAUTIONARY STATEMENTS:**

Caution should be taken in the processing, shipping, handling and use of these materials, particularly if they are in a dry state and dust is produced.

Keep away from sparks, flame or other heat sources and take precautionary measures against static discharge.

**OTHER HAZARDS:** No data available.

#### 3. Composition / Information on Ingredients

Name(s)	Formula	CAS No.	% (w/w)
Pulp, Cellulose	$(C_6H_{10}O_5)_n$	65996-61-4	77 – 94.8%
Starch	$(C_6H_{10}O_5)_n$	9005-25-8	0.5 – 1%
Retention Polymer	Mixture (0.2% solution)	64742-47-8 68551-12-2	0.002- 0.007%



#### 4. First Aid Measure

##### FIRST AID MEASURES:

**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.

**Skin Contact:** Not anticipated for product in purchased form, wash with mild soap and water.

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

**Ingestion:** Not likely to occur for product during normal use.

##### SYMPTOMS (ACUTE AND DELAYED):

Acute Symptoms/Effects - Cellulose dust can cause eye irritation and obstruction in the nasal passages.

Delayed Symptoms/Effects – No delayed effects expected.

INDICATION OF IMMEDIATE MEDICAL ATTENTION NEEDED: None

#### 5. Fire Fighting Measures

**GENERAL HAZARD:** **May burn or explode in contact with strong oxidizers.**

**EXTINGUISHING MEDIA:** Use water, dry chemical, carbon dioxide or foam as appropriate for surrounding fire.

**UNSUITABLE EXTINGUISHING MEDIA:** No data available.

**FIRE HAZARD:** **Yes, product can burn.**

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon Dioxide, Carbon Monoxide

**SPECIAL FIRE FIGHTING PROCEDURES AND PROTECTIVE EQUIPMENT:** Normal firefighting procedures apply.

#### 6. Accidental Release Measures

**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:** No data available.

**SPILL CONTAINMENT AND CLEANUP:** Recycle as per waste paper procedures. Deposit in a landfill or incinerate in accordance with governmental regulations.

#### 7. Handling and Storage

**PRECAUTIONS FOR SAFE HANDLING:** Use normal good industrial hygiene practices.

**CONDITIONS FOR SAFE STORAGE (INCLUDING INCOMPATIBILITIES):** Incompatible with strong oxidizers.



**8. Exposure Controls / Personal Protection**

**CONTROL PARAMETERS (OCCUPATIONAL EXPOSURE LIMITS OR BIOLOGICAL LIMIT VALUES):**

Components	CAS No.	Value	Control parameters	Basis
Pulp, Cellulose (C <sub>6</sub> H <sub>10</sub> O <sub>5</sub> ) <sub>n</sub>	65996-61-4	PEL-TWA (PNOR) <sup>1</sup> (Total dust)	15 mg/m <sup>3</sup>	OSHA
		PEL-TWA (PNOR) <sup>1</sup> (Respirable dust)	5 mg/m <sup>3</sup>	OSHA
		TLV®-TWA (Total dust)	10 mg/m <sup>3</sup>	ACGIH
Starch (C <sub>6</sub> H <sub>10</sub> O <sub>5</sub> ) <sub>n</sub>	9005-25-8	PEL-TWA (PNOR) <sup>1</sup> (Total dust)	15 mg/m <sup>3</sup>	OSHA
		PEL-TWA (PNOR) <sup>1</sup> (Respirable dust)	5 mg/m <sup>3</sup>	OSHA
		TLV®-TWA (Total dust)	10 mg/m <sup>3</sup>	ACGIH

**ENGINEERING CONTROLS:** Provide local exhaust as needed so that exposure limits are met. Use with adequate ventilation to ensure exposure levels are maintained below the limits provided (see section 8). Use local exhaust ventilation, and process enclosure if necessary, to control airborne dust. Ventilation to control dust should be considered where potential explosive concentrations and ignition sources are present. The design and operation of any exhaust system should consider the possibility of explosive concentrations of cellulose dust within the system. Ensure that exhaust ventilation and material transport systems involved in handling this product contain explosion relief vents or suppression systems designed and operated in accordance with applicable standards if the operating conditions justify their use.

**PERSONAL PROTECTIVE EQUIPMENT:**

- Eye/face:** Approved goggles or tight-fitting safety glasses are recommended when excessive exposures to dust may occur (e.g. during clean up) and when eye irritation may occur.
- Skin:** Not required. However, cloth, canvas, or leather gloves are recommended to minimize potential mechanical irritation or cuts from handling product.
- Respiratory:** Use filtering face piece respirator (“dust mask”) tested and approved under appropriate government standards such as NIOSH (US), CSA (Canada), CEN (EU), or JIS (Japan) where ventilation is not possible and exposure limits may be exceeded or for additional worker comfort or symptom relief when fiberization of the pulp occurs. Use respiratory protection in accordance with jurisdictional regulatory requirements similar to the OSHA respiratory protection standard 29CFR 1910.134 following a determination of risk from potential exposures.
- Other:** Follow good hygienic and housekeeping practices. Clean up areas where cellulose dust settles to avoid excessive accumulation of this combustible material. Minimize compressed air blowdown or other practices that generate high airborne-dust concentrations.

<sup>1</sup> OSHA particulate not otherwise regulated (PNOR)



## 9. Physical and Chemical Properties

**APPEARANCE (PHYSICAL STATE AND COLOUR):** Solid, brown paper

**MOLAR MASS:** Not applicable.

**ODOUR:** No Odour.

**pH:** Not applicable.

**MELTING POINT AND FREEZING POINT:** Not applicable.

**INITIAL BOILING POINT AND BOILING RANGE:** Not applicable.

**FLASH POINT:** Not applicable.

**AUTO-IGNITION TEMPERATURE:** 450°F (233 °C)

**EVAPORATION RATE:** Not applicable.

**FLAMMABILITY:** Not applicable.

**LOWER FLAMMABILITY LIMIT IN AIR, % BY VOLUME:** Not applicable.

**UPPER FLAMMABILITY LIMIT IN AIR, % BY VOLUME:** Not applicable.

**VAPOUR PRESSURE:** Not applicable.

**VAPOUR DENSITY:** Not applicable.

**RELATIVE DENSITY:** Not applicable.

**SOLUBILITY:** Not applicable.

**PARTITION COEFFICIENT – N-OCTANOL/WATER:** Not applicable.

**VOC:** Not applicable.

**OTHER:** Not applicable.

## 10. Stability and Reactivity

**REACTIVITY:** Not reactive.

**CHEMICAL STABILITY:** Stable under normal conditions.

**POSSIBILITY OF HAZARDOUS REACTIONS:** Not applicable.

**CONDITIONS TO AVOID:** Avoid open flame, sparks and other sources of ignition.

**INCOMPATIBLE MATERIALS:** Not applicable.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Combustion products include carbon monoxide, carbon dioxide and fine particulate in the form of smoke.



### 11. Toxicological Information

**ACUTE TOXICITY:** Not applicable for product in purchased form. Dust may be a mechanical irritant to the eyes and cause obstruction in the nasal passages.

Components	CAS No.	Test	Value
Pulp, Cellulose (C <sub>6</sub> H <sub>10</sub> O <sub>5</sub> ) <sub>n</sub>	65996-61-4	LC <sub>50</sub> (inhalation: rats)	5,800 mg/m <sup>3</sup>

**CHRONIC TOXICITY:** Cellulose (pulp) dust has not been shown to produce significant disease or toxic effects when exposure limits are met. Cellulose is poorly soluble and has a low order of toxicity.

**SKIN CORROSION/IRRITATION:** Data is not available.

**SERIOUS EYE DAMAGE/IRRITATION:** Data is not available.

**RESPIRATORY OR SKIN SENSITIZATION:** Data is not available.

**GERM CELL MUTAGENICITY:** Data is not available.

**CARCINOGENICITY:** Data is not available.

**TERATOGENICITY:** Data is not available.

**REPRODUCTIVE TOXICITY:** Data is not available.

**SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE):** Eyes and respiratory system.

**SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE):** Eyes and respiratory system.

### 12. Ecological Information

**ECOTOXICITY:** All components of this product are considered to be practically nontoxic to the aquatic environment.

**BIOPERSISTENCE AND DEGRADABILITY:** Cellulose fiber slowly biodegrades in water (half-life range 1 month – 1 year in freshwater and coastal seawater). Cellulose fiber persists in arid soil (landfills).

**BIOACCUMULATION:** Not expected to bioaccumulate.

**SOIL MOBILITY:** No information available.

### 13. Disposal Considerations

**DISPOSAL METHOD:** Recycling centers are available in nearly every major and most small cities within the US and Canada that can take waste at no charge. If not recycled, and disposed of or discarded in its purchased form, incineration or dry land disposal is acceptable in most jurisdictions.

### 14. Transport Information

**PROPER SHIPPING NAME:** DOT Paper rolls, not powdered, N.O.S.

### 15. Other Regulatory Information

### 16. Other Information

**DATE LAST REVISED:** April 1, 2021

**PREPARED BY:** [HexcelPack, LLC](#).

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