

Safety Data Sheet

Paper Packaging Material

1. Product Identification

TRADE NAME: Corrugated Packaging and Displays

CHEMICAL NAME/CLASS: Cellulose Paper Packaging

MANUFACTURER'S NAME: Royal Containers Ltd.

ADDRESS: 80 Midair Crt. Brampton L6T 5V1

EMERGENCY PHONE: CANUTEC, 613-996-6666 (*666 cell)

BUSINESS PHONE: 905 789-8787

2. Hazard Identification

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 the potential hazards described below.

Classification of the Substance or Mixture (OSHA HCS 2012): Combustible Dust

Signal Word: WARNING

Pictogram: None

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

Other Hazards: Exposure to airborne paper dust may cause eye or respiratory tract irritation.

Precautionary Statement(s):

Prevention Statements: Caution should be taken in the processing, shipping, handling and use of these materials to prevent the generation and accumulation of combustible dust. Keep away from sparks, flame or other heat sources and take precautionary measures against static discharge.

Ingredients of Unknown Acute Toxicity (>1%): Not available

3. Composition/Information on Ingredients

Name	Product Identifier	% (w/w)
Cellulose Pulp	(CAS No) 65996-61-4	96 - 99
Corn Starch	(CAS No) 9005-25-8	1 - 4

4. First Aid Measures

Ingestion:	Not likely to occur for product during normal use.
Eye Contact:	Paper 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. Seek medical attention if irritation persists.
Skin Contact:	Not anticipated for product in purchased form, wash with mild soap and water.
Skin Absorption:	Product is not absorbed through the skin.
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.
Chronic Symptoms:	None expected under normal use.
Note to Physician:	No special advice, treat symptomatically.

5. Fire-Fighting Measures

Flash Point (Method Used):	Not available for finished product.
Autoignition Temperature:	450 °F
Special Fire and Explosion Hazards:	Processing paper product may release cellulose fibers into the air. Accumulation and dispersion of dust with an ignition source can cause a combustible dust explosion. Keep dust levels to a minimum and follow applicable regulations. Reference NFPA standards 654, 69 and the NFPA Fire Protection Handbook for guidance.
Reactivity:	Hazardous reactions will not occur under normal conditions.
Extinguishing Media:	Ordinary Combustible. Use water, dry chemical, carbon dioxide or foam as appropriate for surrounding fire.
Precautionary Measures for Fire:	Exercise caution when fighting any paper fire.
Protection during Firefighting	Do not enter fire area without proper protective equipment, including respiratory protection.
Hazardous Combustion Products:	Carbon oxides (CO, CO ₂), fine particulates.

6. Accidental Release Measures

Steps to be Taken In Case Material Is Released or Spilled: Contain and collect as any solid. Sweep or vacuum for recovery and disposal. Avoid cleaning with compressed air or other methods that can generate airborne dust. Maintain good housekeeping to avoid dust accumulation. Use NIOSH approved filtering face piece respirator ("dust mask") where ventilation is not possible and exposure limits may be exceeded.

7. Handling and Storage

Precautions to be Taken in Handling and Storage: Keep products in a cool, dry place away from open flame and other sources of ignition. Paper dust may pose a combustible dust hazard. Minimize dust generation and accumulation. Maintain good housekeeping to avoid accumulation of paper dust on exposed surfaces.

8. Exposure Control Measures, Personal Protection

Exposure Limits/Guidelines:

Name	CAS#	Percent	Agency	Exposure Limits	Comments
Cellulose	65996-61-4	96-99	OSHA	PEL-TWA 15 mg/m ³	Total dust
			OSHA	PEL-TWA 5 mg/m ³	Respirable dust
			ACGIH	TLV®-TWA 10 mg/m ³ Cellulose	Total dust
Corn Starch	9005-25-8	1-4	OSHA	PEL-TWA 15 mg/m ³	Total dust
			OSHA	PEL-TWA 5 mg/m ³	Respirable dust
			ACGIH	TLV®-TWA 10 mg/m ³	Total dust

Appropriate Engineering Controls

Eye Protection:

Emergency eye wash stations should be provided for potential eye irritation.

Ventilation:

Use local exhaust or general dilution ventilation or other suppression methods to maintain dust levels below exposure limits.

Dust Generation:

Avoid creating or accumulating paper dust.
Proper grounding procedures to avoid static electricity should be followed.
Use explosion-proof electrical equipment where required.
Utilize explosion vents or suppression systems on exhaust ventilation and material transport systems involved in handling paper dust as required by national and local regulations.
Observe all other national and local regulations as required.

Personal Protective Equipment

Protective Clothing:

Not required for normal use.

Hand Protection:

Not required for normal use.

Eye Protection:

In case of excessive dust production, tight fitting safety glasses or safety goggles are recommended to avoid irritation

Skin and Body Protection:

Not required for normal conditions of use, the use of work gloves can prevent mechanical irritation or paper cuts.

Respiratory Protection:

Use NIOSH-approved filtering face piece respirator ("dust mask") if airborne dust levels exceed exposure limits.

Work and Hygiene Practices:

Clean up areas where cellulose dust settles to avoid excessive accumulation of this combustible material. Minimize compressed air for cleaning or other practices that generate high airborne-dust concentrations.

9. Physical/Chemical Properties

Physical Description:	Converted paper products: corrugated and solid fiber
Physical State:	Solid
Boiling Point:	Not applicable
Evaporation Rate:	Not applicable
Freezing Point:	Not applicable
Melting Point:	Not applicable
Flash Point:	Not applicable
Lower Flammability Limit:	Not applicable
Upper Flammability Limit:	Not applicable
Oil-water Distribution Coefficient:	Not applicable
Odor Threshold:	Not available
pH:	Not applicable
Solubility in Water (% by weight):	Not applicable
Specific Gravity:	Not applicable
Vapor Density:	Not applicable
Vapor Pressure (mm Hg):	Not applicable
Viscosity:	Not applicable
% Volatile by Volume:	Not applicable

10. Stability and Reactivity

Reactivity:	Hazardous reactions will not occur under normal conditions.
Chemical Stability:	Stable in normal conditions
Hazardous polymerization:	Will not occur.
Conditions to Avoid:	Not applicable
Incompatible Materials:	Open flame or other ignition sources
Hazardous Decomposition Products:	Combustion products include: carbon monoxide (CO), carbon dioxide (CO ₂) and fine particulate.

11. Toxicological Information

Likely Routes of Exposure:	Inhalation and eyes.
Acute Toxicity Data:	Not available for product in purchased form.
LD50 and LC 50 Data:	Not available
Carcinogenicity (NTP, IARC, OSHA):	Not classified
Mutagenicity:	Not classified
Teratogenicity:	Not classified
Reproductive Toxicity:	Not classified
Target Organ Toxicity:	Not classified
Acute Health Hazards:	Paper dust may be a mechanical irritant to the eyes and cause obstruction in the nasal passages.
Chronic Health Hazards:	Not expected under normal use
Skin Corrosion/Irritation:	Data is not available.
Serious Eye Damage/Irritation:	Data is not available.
Respiratory or Skin Sensitization:	Data is not available.
Symptoms after Inhalation:	Irritation to the respiratory tract
Symptoms after Skin Contact:	None expected under normal use
Symptoms after Eye Contact:	Mechanical irritation
Chronic Symptoms:	None expected under normal use

12. Ecological Information

Environmental Toxicity: Not available.

13. Disposal Considerations

Waste Disposal Method: Dispose of waste material in accordance with all local, regional, national, and international regulations.

14. Transport Information

Not regulated as a hazardous material for transport by the U.S. Department of Transportation.
Not listed as a hazardous material in Canadian (TDG) regulations.
Not listed as a hazardous material for IATA.
Not listed as a hazardous material for IMDG.

15. Regulatory Information

TSCA: All ingredients of this product are either listed on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30.

WHMIS Classification: Not considered a controlled product.

16. Additional Information

Date Prepared: March 24, 2021
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