



Liquid Packaging Board-Coated

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1. Product Identification

Product	Manufacturing Location(s)
Liquid Packaging Board-Coated	USA: Longview, WA Canada: none

Synonyms: Paperboard

2. Hazardous Ingredients/Identity Information

Name	CAS#	Percent	Agency	Exposure Limits	Comments
Bleached paper fiber –cellulose (C ₆ H ₁₀ O ₅) _n	65996-61-4	78 - 86	OSHA OSHA ACGIH	PEL-TWA 15 mg/m ³ PEL-TWA 5 mg/m ³ TLV-TWA 10 mg/m ³	Total dust Respirable dust Total dust
Polyethylene ¹ (CH ₂ =CH ₂) _n	9002-88-4	7–15	OSHA ACGIH	None None	None
Starch ² (C ₆ H ₁₀ O ₅) _n	9005-25-8	3	OSHA OSHA ACGIH	PEL-TWA 15 mg/m ³ PEL-TWA 5 mg/m ³ TLV-TWA 10 mg/m ³	Total dust Respirable dust Inhalable dust

Note: Approximately 4% of this product is comprised of multiple additives (some are proprietary or trade secret compounds) in low concentrations.

Synonyms: Plastipore¹; amglogen²

3. Hazard Identification

Appearance and Odor: The product is a, white, polyethylene coated paperboard which may impart a characteristic plastic odor.

Primary Health Hazards: The primary health hazard posed by this product is thought to be due to exposure to polymer offgassing when heated to temperatures in excess of 572 ° F. There is very low hazard from the product in it's purchased form

Primary Route(s) of Exposure:

- Ingestion:
- Skin:
- Inhalation:
- Eye:

Medical Conditions Generally Aggravated by Exposure: Thermal off-gases may aggravate preexisting respiratory conditions or allergies.

3. Hazard Identification (cont'd.)

Signs and Symptoms of Exposure:

Acute Health Hazards: Not applicable for product in purchased form. However, if heated to extreme temperature gasses released from the polymer coating may irritate the eyes, cause irritation in the nasal passages and upper lung and eyes.

Chronic Health Hazards: None that are known.

Carcinogenicity Listing:

- NTP: Not listed
- IARC Monographs: Polyethylene is classified as Group 3 (not classifiable as to carcinogenicity to humans).
- OSHA Regulated: Not listed

4. Emergency and First-Aid Procedures

Ingestion: Not applicable for product in purchased form.

Eye Contact: Not applicable for product in purchased form. However, if heated to extreme temperature, gasses released from polymer coating will irritate the eyes, resulting in redness or watering. Flush with water. Get medical help if irritation persists.

Skin Contact: Product is essentially non-irritating.

Skin Absorption: Will not occur.

Inhalation: Not applicable for product in purchased form. However, if heated to extreme temperature gasses may cause irritation in the nasal passages and upper lung. Remove to fresh air. Get medical help if persistent irritation, severe coughing or breathing difficulty occurs.

Note to Physician: No special advice, treat symptomatically.

5. Fire and Explosion Data

Flash Point (Method Used): Not available for finished product.

Flammable Limits: LFL = NAV UFL = NAV

Extinguishing Media: Use water, dry chemical, carbon dioxide or foam as appropriate for surrounding fire.

Autoignition Temperature: 450 – 572°F (232 – 300°C)

Special Firefighting Procedures: As in any fire wear NIOSH-approved self contained breathing apparatus and appropriate protective clothing.

Unusual Fire and Explosion Hazards: Depending on airborne concentration, 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/m³ is often used as the LEL for cellulose fibers.

HMIS Rating (Scale 0-4): Health = 0 Fire = 1 Physical Hazard = 0
NFPA Rating (Scale 0-4): Health = 0 Fire = 1 Reactivity = 0

6. Accidental Release Measures

Steps to be Taken In Case Material Is Released or Spilled: Not applicable for product in purchased form.

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. Ventilate manufacturing process at the source if product is heated above 500 ° F. Potentially irritating gases will be released at high temperature.

8. Exposure Control Measures, Personal Protection

Personal Protective Equipment:

RESPIRATORY PROTECTION – Not applicable for product in purchased form.

If product is heated and local exhaust ventilation is not used, a NIOSH- approved respirator is recommended when allowable exposure limits may be exceeded (see section 5).

EYE PROTECTION – Not applicable for product in purchased form.

PROTECTIVE GLOVES – Not applicable for product in purchased form.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT – Not applicable for product in purchased form.

WORK/HYGIENE PRACTICES – Not applicable for product in purchased form.

Ventilation:

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

MECHANICAL (GENERAL) – Provide general ventilation in processing and storage areas if needed, to ensure that exposure limits are met.

SPECIAL – None

OTHER – None

9. Physical/Chemical Properties

Use: Polyethylene paper board approved for contact with food.

Physical Description: A white, polyethylene coated paperboard which may impart a characteristic plastic odor.

Boiling Point (@ 760 mm Hg):	NAP
Evaporation Rate (Butyl Acetate = 1):	NAP
Freezing Point:	NAP
Melting Point:	NAP
Molecular Formula:	NAP
Molecular Weight:	NAP
Oil-water Distribution Coefficient:	NAP
Odor Threshold:	NAP
pH:	NAP
Solubility in Water (% by weight):	Insoluble, 2% extractable
Specific Gravity (H₂O = 1):	0.6 - 0.8
Vapor Density (air = 1; 1 atm):	NAP
Vapor Pressure (mm Hg):	NAP
Viscosity:	NAP
% Volatile by Volume [@ 70°F (21°C)]:	NAP

10. Stability and Reactivity

Stability: Unstable Stable

Conditions to Avoid: Avoid open flame and sparks.

Incompatibility (Materials to Avoid): NAP

Hazardous Decomposition or By-Products: Byproducts of combustion include hydrocarbons, aldehydes, carbon monoxide and carbon dioxide.

10. Stability and Reactivity (cont'd.)

Hazardous Polymerization: May occur Will not occur
Sensitivity to Mechanical Impact: NAP
Sensitivity to Static Discharge: NAP

11. Toxicological Information

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

Components:

Cellulose: LC50 (rats, inhalation) = 5,800 mg/m³ 4 hours.

Starch: None.

Polyethylene: LD50 (rats oral) = > 3,000 mg/kg

Target Organs: None for finished product.

12. Ecological Information

Environmental Fate: The cellulose portion is biodegradable

Environmental Toxicity: Not 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

Mode: (Air, Land, water) Not regulated as a hazardous material by the U.S. Department of Transportation.

Proper Shipping Name: NAP

Hazard Class: NAP

UN/NA ID Number: NAP

Packing Group: NAP

Information Reported for Product/Size: NAP

15. Regulatory Information

TSCA: Cellulose, starch and polyethylene are on the TSCA inventory

CERCLA: This product does not contain ingredients which are subject to the reporting requirements of CERCLA.

DSL: Starch, cellulose and polyethylene are on the Domestic Substance List.

OSHA: Finished product is not regulated as a hazardous chemical by OSHA.

STATE RIGHT-TO-KNOW:

California Proposition 65: This product does not contain substances identified on the Proposition 65 list at levels that pose a significant risk for purposes of Section 25249.10(c) or result in an observable effect for purposes of Section 25249.10(c) of the Act.

Pennsylvania – Starch and cellulose are on the Pennsylvania list.

15. Regulatory Information (cont'd.)

SARA 313 Information: This product does not contain any chemical components with known CAS numbers that exceed the de minimis reporting levels established by SARA Title III, section 313 and 40 CFR section 372.

SARA 311/312 Hazard Category: This product has been reviewed according to the EPA "Hazard Categories" promulgated under SARA Title III Sections 311 and 312 and is considered, under applicable definitions, to meet the following categories:

An immediate (acute) health hazard	Yes
A delayed (chronic) health hazard	No
A corrosive hazard	No
A fire hazard	No
A reactivity hazard	No
A sudden release hazard	No

FDA: This product is certified for food contact use in accordance with FDA guidelines.

WHMIS Classification: This product is not regulated or is below the threshold reporting requirements for inclusion in WHMIS.

16. Additional Information

Date Prepared: 10/11/1999

Date Revised: 06/18/2008

Prepared By: Weyerhaeuser Company Corporate Environment, Health & Safety

Weyerhaeuser MSDS available on: <http://www.weyerhaeuser.com/Sustainability/MSDS>

User's Responsibility: The information contained in this Material Safety Data Sheet is based on the experience of 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 the product is suitable for its proposed application(s) and to follow necessary safety precautions. The user has the responsibility to make sure that this MSDS is the most up-to-date issue.

Definition of Common Terms:

ACGIH	= American Conference of Governmental Industrial Hygienists
AICS	= Australian Inventory of Chemical Substances
C	= Ceiling Limit
CAS#	= Chemical Abstracts System Number
DOT	= U. S. Department of Transportation
DSL	= Domestic Substance List
EC50	= Effective concentration that inhibits the endpoint to 50% of control population
EINECS	= European Inventory of Existing Commercial Chemical Substances or European List of Notified Chemical Substances
ENCS	= Japanese Existing and New Chemical Substances List
EPA	= U.S. Environmental Protection Agency
HMIS	= Hazardous Materials Identification System
IARC	= International Agency for Research on Cancer
IATA	= International Air Transport Association
IMDG	= International Maritime Dangerous Goods
KECL	= South Korean Existing Chemicals List
LC50	= Concentration in air resulting in death to 50% of experimental animals
LCLo	= Lowest concentration in air resulting in death
LD50	= Administered dose resulting in death to 50% of experimental animals
LDLo	= Lowest dose resulting in death
LEL	= Lower Explosive Limit
LFL	= Lower Flammable Limit

16. Additional Information (cont'd.)

MSHA	= Mine Safety and Health Administration
NAP	= Not Applicable
NAV	= Not Available
NFPA	= National Fire Protection Association
NIOSH	= National Institute for Occupational Safety and Health
NPRI	= Canadian National Pollution Release Inventory
NTP	= National Toxicology Program
OSHA	= Occupational Safety and Health Administration
PEL	= Permissible Exposure Limit
RCRA	= Resource Conservation and Recovery Act
STEL	= Short-Term Exposure Limit (15 minutes)
STP	= Standard Temperature and Pressure
TCLo	= Lowest concentration in air resulting in a toxic effect
TDG	= Canadian Transportation of Dangerous Goods
TDLo	= Lowest dose resulting in a toxic effect
TLV	= Threshold Limit Value
TSCA	= Toxic Substance Control Act
TWA	= Time-Weighted Average (8 hours)
UFL	= Upper Flammable Limit
WHMIS	= Workplace Hazardous Materials Information System