

Material Safety Data Sheet

Bleached Bagasse Pulp

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1. Product Identification

Product: ECO-WHITE[®], Bleached Bagasse Pulp
Chemical Name: Chemical ECF Pulp
Manufacturing Location: Nakhonsawan Province, THAILAND

2. Hazardous Ingredients/Identity Information

Name	Percent	Agency	Exposure limits	Notes
Pulp (cellulose)	>99	OSHA	PEL-TWA 15 mg/m ³	Total dust
			PEL-TWA 5 mg/m ³	Respirable dust

OSHA = Occupational Safety and Health Administration

PEL = Permissible exposure limit

TWA = Time-weighted average

3. Hazard Identification

Appearance and Odor: This product is an odorless, white baled pulp sheets.

Primary Health Hazards: The solely primary health hazard posed by this product is thought to be due to exposure to dust.

Primary Route(s) of Exposure:

Inhalation: Dust

Eye: Dust

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

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

Carcinogenicity Listing:

OSHA Regulated: Not listed

4. Emergency and First-Aid Procedures

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.

Skin Contact: Wash with mild soap and water and apply skin moisturizers.

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

Note to Physician: None

5. Fire and Explosion Hazard Data

Flash Point: NAP
Flammable Limits: Upper = NAP
Lower = NAP

6. Accidental Release Measures

Steps to be Taken In Case Material Is Released or Spilled: Sweep or vacuum for recovery or disposal. Use dust respirator and goggles where ventilation is not possible and exposure limits may be exceeded.

Other Precautions: Minimize compressed air blowdown or other practices that generate high dust level.

7. Handling and Storage

Precautions to be Taken In Handling and Storage: No special handling is required. Keep in cool, dry place away from open flame and other sources of ignition.

8. Exposure Control Measures, Personal Protection

Personal Protective Equipment:

Respiratory protection: Not applicable for product in purchased form.

Protective gloves: Not required.

Eye protection: 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 so that exposure limits are met.

Mechanical (General): Provide general ventilation in processing and storage areas so that exposure limits are met.

9. Physical/Chemical Properties

Physical Description: This product is an odorless, white baled pulp sheets.

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):	<1.0
Specific Gravity:	0.6
Vapor Density (air = 1; 1 atm):	NAP
Vapor Pressure (mm Hg):	NAP
Viscosity:	NAP
% Volatile by Volume (@ 21°C):	NAP

10. Stability and Reactivity

Stability: Stable

Conditions to Avoid: NAP

Incompatibility (Materials to Avoid): Avoid open flame, sparks and other sources of ignition.

Hazardous Decomposition or By-Products: Combustion products include carbon monoxide, carbon dioxide and fine particulate in the form of smoke.

Hazardous Polymerization: Will not occur

Sensitivity to Mechanical Impact: NAP

Sensitivity to Static Discharge: NAP

11. Toxicological Information

Toxicity Data: Product in purchased form:

Human Skin Irritation: Non-irritating. Does not cause sensitization.

Chronic Toxicity: No evidence of mutagenic, reproductive or carcinogenic effects.

12. Ecological Information

Environmental Fate: No information available at this time. Material naturally biodegrades when exposed to the environment.

Environmental Toxicity: No information available at this time. A biodegradation product promotes soil fertility and plant growth. No toxic components are used in the manufacture of these materials. ECF bleaching causes less OX in pulp and less AOX in wastewater.

13. Disposal Considerations

Waste Disposal Method: Dispose as a non-hazardous waste.

14. Transport Information

Mode: (Air, Land, Water) May be shipped normally as a non-hazardous material.

15. Regulatory Information

Ministry of Public Health THAILAND: Pulp cellulose about the quality of standard contains, Volume 92 (1985).

Ministry of Public Health THAILAND: Pulp cellulose about the quality of standard contains that made of Plastic, Volume 255 (2005).

REACH: Pulp cellulose is exempt from registration under the European REACH regulations.

16. Additional Information

Date Prepared: 24 February 2006

Date Revised: 10 January 2018

Prepared By: Environment Pulp and Paper Company Limited, THAILAND

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.

NAP = Not Applicable

AOX = Adsorbable organic halide