

SAFETY DATA SHEET

1. Identification

Product identifier

Product list

PAPER PRODUCTS

Bleached and Natural Kraft Paper
 Kraft Linerboard Bleached Linerboard and White-Top Linerboard
 Corrugating Medium
 Corrugated Sheets and Packaging
 Market and Fluff Pulp
 Bleached Board (including folding cartons, cup Stock, plate stock, SBS, blister board and skin board)
 Tissue Parent Roll
 Uncoated Free-Sheet Paper

Other means of identification

SDS number

GP-S10

Recommended use

For corrugated packaging, folding cartons, in general and for food articles in particular.

Recommended restrictions

None known.

Manufacturer/Importer/Supplier/Distributor information

Company name

Georgia-Pacific LLC

Address

133 Peachtree Street, NE
 Atlanta, GA 30303

Telephone

(M)SDS Request 404.652.5119

E-mail

MSDSREQ@GAPAC.com

Emergency phone number

Chemtrec - Emergency 800.424.9300

2. Hazard(s) identification

Emergency overview

This product is not hazardous in the form in which it is shipped by the manufacturer but may become hazardous by downstream activities such as cutting, slitting, scarfing, hammer milling or otherwise working with this product that generate large amount of dusts. Those hazards are described below.

Physical hazards

Not classified.

Health hazards

Not classified.

Environmental hazards

Not classified.

OSHA defined hazards

Combustible dust

Label elements

Hazard symbol

None.

Signal word

Warning

Hazard statement

The cutting, slitting, scarfing, hammer milling or otherwise working with this product may generate large amount of dusts that may form combustible dust concentrations in air.

Precautionary statement

Prevention

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Prevent dust accumulation and airborne dispersion of dust to minimize flash fire and explosion hazard. Follow good housekeeping practices; vacuum up areas where dust settles to avoid excessive accumulation of this combustible material. Use dust ignition proof vacuums for vacuuming combustible dusts. Observe good industrial hygiene practices.

Response

Observe good industrial hygiene practices. Get medical advice/attention if you feel unwell. In case of fire: Use appropriate media to extinguish.

Storage

Store away from strong oxidizers.

Disposal

Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC)

None known.

Supplemental information

None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
CELLULOSE		9004-34-6	92 - 98
WATER		7732-18-5	6 - 7

Composition comments Since this material is converted into other products in varying operations, there may be a possibility of generating dust under certain conditions.

4. First-aid measures

Inhalation	If dust from the material is inhaled, remove the affected person immediately to fresh air. Call a physician if symptoms develop or persist. If persistent irritation, severe coughing or breathing difficulty occurs, seek medical attention.
Skin contact	If irritation occurs, remove contaminated clothing and shoes; wash skin with soap and water. Wash clothing before reuse.
Eye contact	Treat as a nuisance dust. Remove contact lenses and immediately rinse eyes with water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation persists, seek medical attention.
Ingestion	Not applicable.
Most important symptoms/effects, acute and delayed	Direct contact with eyes and respiratory tract may cause temporary irritation.
Indication of immediate medical attention and special treatment needed	Treat symptomatically.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media	Type A Water Pressurized Extinguisher. Water fog. Foam. Dry chemical powder. Use a water spray to wet down paper dust to reduce the likelihood of ignition or dispersion of dust into the air. Extinguishers equipped with diffuser nozzles are desirable to minimize dust cloud generation.
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	In the event of a fire, wear full protective clothing including a NIOSH-approved self-contained breathing apparatus (SCBA). Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Firefighters should wear full protective clothing including self-contained breathing apparatus.
Specific methods	To avoid dust clouds, responders should use the extinguisher from as far away as possible and apply the extinguishing agent as gently as possible. The main considerations with hose stream operation are to avoid creating combustible dust clouds or introducing more air. In particular, the use of solid streams and direct dust pile hits can disperse dust into the air creating a potential flash fire hazard. The best way to apply water is in a medium to wide-pattern, as gently as possible. Responders should use a low nozzle pressure and loft the stream onto the burning material from as far away as the stream will reach.
General fire hazards	In sufficient concentrations, fine dust dispersed in air at elevated temperatures or in the presence of an ignition source is a potential fire or dust explosion hazard. Airborne concentration of 15-200 g/m ³ is often used as the minimum explosive concentration (MEC) or LFL.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Avoid inhalation of dust from the spilled material. Use personal protection recommended in Section 8.
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Methods and materials for containment and cleaning up

Eliminate all ignition sources. Isolate area. Wear appropriate personal protective equipment as specified in Section 8. If dust is generated, clean up material in a manner that does not disperse dust into the air. Use non-sparking tools and equipment. Reduce airborne dust and prevent scattering by wetting with water. Pick up spill for recovery or disposal and place in a closed container.

Environmental precautions

No special environmental precautions required. Contact local authorities in case of spillage to drain/aquatic environment.

7. Handling and storage**Precautions for safe handling**

Dry processing by mechanical means (such as cutting, slitting, scarfing, hammer milling) may generate combustible dust. Adequate controls should be implemented to prevent dust accumulation and ignition. Dust can form an explosive mixture with air in the presence of an ignition source. Maintain good housekeeping to keep formation of airborne dust to a minimum. Use with adequate ventilation. Use wet methods, if appropriate, to minimize dust generation and accumulation. Avoid contact with eyes, skin and clothing. Avoid inhalation or ingestion. Provide appropriate local exhaust ventilation at machinery and at places where dust can be generated.

Conditions for safe storage, including any incompatibilities

Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in original packaging in a cool, dry place out of direct sunlight. Keep in a well-ventilated place away from incompatible materials. Store away from strong oxidizers.

8. Exposure controls/personal protection**Occupational exposure limits****US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Components	Type	Value	Form
CELLULOSE (CAS 9004-34-6)	PEL	5 mg/m ³	Respirable fraction.
		15 mg/m ³	Total dust.

US ACGIH Threshold Limit Values: Time Weighted Average (TWA): mg/m³, non-standard units

Components	Type	Value
CELLULOSE (CAS 9004-34-6)	TWA	10 mg/m ³

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
CELLULOSE (CAS 9004-34-6)	TWA	5 mg/m ³	Respirable.
		10 mg/m ³	Total

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

When using product, provide local and general exhaust ventilation to keep airborne dust concentrations below exposure limits. Provide explosion protection for air material separators (e.g. baghouses) collecting combustible dusts. Use wet methods, if appropriate, to reduce the generation of dust. Due to the explosive potential of paper dust when suspended in air, precautions should be taken to prevent sparks or other ignition source in ventilation equipment. Follow good housekeeping practices; vacuum up areas where dust settles to avoid excessive accumulation of this combustible material. Use dust ignition proof vacuums for vacuuming combustible dusts.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Goggles or safety glasses are recommended if the product is used in such a way as to generate high dust levels. Ensure compliance with OSHA's PPE standard (29 CFR 1910.132 and 133) for eye and face protection.

Skin protection**Hand protection**

For prolonged or repeated skin contact use suitable protective gloves.

Other

Gloves and outer garments are recommended to minimize potential irritation from handling product. Launder clothing before reuse. Ensure compliance with OSHA's PPE standards (29 CFR 1910.132 (general) and 138 (hand protection)).

Respiratory protection

Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2).

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove dust.

9. Physical and chemical properties

Appearance	Varies with the color of product
Physical state	Solid.
Form	Solid
Color	Varies
Odor	None
Odor threshold	Not available.
pH	Not available
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available
Vapor density	Not available.
Relative density	1.27 - 1.61 g/cm3
Solubility(ies)	
Solubility (water)	Insoluble
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	400 - 500 °F (204.44 - 260 °C)
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Density	1.00 lb/cu ft
Dust explosion properties	
St class	1
Flash point class	Combustible
Percent volatile	6.5 %
Specific gravity	1.27 - 1.61

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Product is stable under normal conditions of use.
Possibility of hazardous reactions	Not expected under normal conditions of use.
Conditions to avoid	Dust accumulation, dispersion of dust in air, high temperatures, open flame, sparks, or other sources of ignition.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	In a fire situation, carbon dioxide and carbon monoxide.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Inhalation of dusts may cause respiratory irritation.
Skin contact	Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.
Eye contact	Dust generated during processing may cause eye irritation.
Ingestion	No adverse effects expected under normal conditions of use. However, ingestion of large quantities of fluff pulp may cause upset or obstruction of the gastrointestinal tract.

Symptoms related to the physical, chemical and toxicological characteristics	In its purchased form, the product is not hazardous. Dust generated during processing may cause eye and respiratory irritation. Coughing and difficulty breathing. Exposed individuals may experience eye tearing, redness, and discomfort.
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Information on toxicological effects

Acute toxicity	Data for ingredients found below.
Skin corrosion/irritation	Non-irritating in rabbits.
Serious eye damage/eye irritation	Minimally irritating in rabbits. Dust from processing may cause irritation.
Respiratory or skin sensitization	
Respiratory sensitization	Not likely due to form of the product.
Skin sensitization	No evidence of skin sensitization in guinea pigs.
Germ cell mutagenicity	No evidence of mutagenicity or genotoxicity in vitro cell systems or rats.
Carcinogenicity	No evidence of carcinogenicity in rats or humans. None of this product's components are listed by ACGIH, IARC, OSHA, or NTP.

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

Reproductive toxicity	No evidence of reproductive or developmental effects in rats or humans.
Specific target organ toxicity - single exposure	No evidence of specific target organ effects in rats and humans. Dust generated during processing may cause respiratory irritation.
Specific target organ toxicity - repeated exposure	No evidence of specific target organ effects in rats and humans.
Aspiration hazard	Not likely to cause aspiration.
Chronic effects	Prolonged or repeated inhalation of dust or particles may impair lung function cause lung damage.
Further information	This product has no known adverse effect on human health. Data for similar material used to support Cellulose Pulp.

12. Ecological information

Ecotoxicity	No ecotoxicity data are available for this product's components.
Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulative potential	Not available.
Mobility in soil	Not available.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this product.

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in a manner that does not generate dust borne particles at licensed waste disposal site. Dispose of in a landfill or incinerate in accordance with federal, state, local and provincial regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	Not applicable. The product is not an EPA hazardous waste.

Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Not applicable.
14. Transport information	
DOT	
Not regulated as dangerous goods.	
IATA	
Not regulated as dangerous goods.	
IMDG	
Not regulated as dangerous goods.	
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not available.
General information	This product is not regulated as a hazardous material by the United States (DOT) transportation regulations.

15. Regulatory information

US federal regulations	Paper (cellulose) dust, a combustible dust hazard generated from the handling and processing of paper, tissue and pulp, is considered hazardous and is regulated under the Hazard Communication Standard 29 CFR 1910.1200.
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)	
Not regulated.	
CERCLA Hazardous Substance List (40 CFR 302.4)	
Not listed.	
SARA 304 Emergency release notification	
Not regulated.	
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	
Not regulated.	
Superfund Amendments and Reauthorization Act of 1986 (SARA)	
Hazard categories	Immediate Hazard - No Delayed Hazard - No Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No
SARA 302 Extremely hazardous substance	
Not listed.	
SARA 311/312 Hazardous chemical	Yes
SARA 313 (TRI reporting)	
Not regulated.	
Other federal regulations	
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List	
Not regulated.	
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)	
Not regulated.	
Safe Drinking Water Act (SDWA)	Not regulated.
US state regulations	California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.
US. California Proposition 65	
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International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date	May-26-2015
Revision date	April-07-2017
Version #	03
HMIS® ratings	Health: 0 Flammability: 2 Physical hazard: 0
NFPA ratings	Health: 0 Flammability: 2 Instability: 0
Disclaimer	<p>This SDS is intended to quickly provide useful information to the user(s) of this material or product. It is not intended to serve as a comprehensive discussion of all possible risks or hazards, and it assumes a reasonable use of the product. The information contained in this SDS is believed to be accurate as of the date of preparation of this SDS and has been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification. The user or handler (or their employer) should consider the specific conditions in which this material will be used, handled, or stored and determine what specific safety or other precautions are required. Employers should ensure that their employees, agents, contractors, and customers who will use the product receive adequate warnings and safe handling procedures, including a current SDS. Product users or handlers (or their employer) who are unsure of what specific precautions are required should consult their employer, product supplier, or safety or health professionals before handling or working with this product. Please notify us immediately if you believe this SDS or other safety and health information about this product is inaccurate or incomplete.</p>
Revision information	First-aid measures: Eye contact Fire-fighting measures: Specific methods Fire-fighting measures: General fire hazards

PAPER PRODUCTS

Hazard statement

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Warning

Supplemental information

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Corrugating Medium;
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Bleached Board (including folding cartons, cup Stock, plate stock, SBS, blister board and skin board);
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