



# SAFETY DATA SHEET

## 1. Identification

<b>Product identifier</b>	<b>Bleached Southern Softwood Kraft Pulp – ARC, LRC</b>		
<b>Product list</b>	Leaf River 90/BSKP-ECF Alabama River Softwood Pulp		
<b>Other means of identification</b>			
<b>SDS number</b>	GP-S14		
<b>Recommended use</b>	The pulp is used in paper, tissue, filters and other specialty applications.		
<b>Recommended restrictions</b>	None known.		
<b>Manufacturer/Importer/Supplier/Distributor information</b>			
<b>Company name</b>	GP Cellulose America Marketing LLC		
<b>Address</b>	133 Peachtree Street, NE Atlanta, GA 30303 United States		
<b>Telephone</b>	(M)SDS Request	404.652.5119	
<b>Website</b>	www.gpcellulose.com		
<b>E-mail</b>	MSDSREQ@GAPAC.COM		
<b>Emergency phone number</b>	Chemtrec - Emergency	800.424.9300	

## 2. Hazard(s) identification

<b>Emergency overview</b>	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.
<b>Physical hazards</b>	Not classified.
<b>Health hazards</b>	Not classified.
<b>Environmental hazards</b>	Not classified.
<b>OSHA defined hazards</b>	Combustible dust
<b>Label elements</b>	
<b>Hazard symbol</b>	None.
<b>Signal word</b>	Warning
<b>Hazard statement</b>	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.
<b>Precautionary statement</b>	
<b>Prevention</b>	Prevent dust accumulation and airborne dispersion of dust to minimize flash fire and explosion hazard. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving 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. Observe good industrial hygiene practices.
<b>Response</b>	Get medical advice/attention if you feel unwell. In case of fire: Use appropriate media to extinguish.
<b>Storage</b>	Store away from strong oxidizers.
<b>Disposal</b>	Dispose of waste and residues in accordance with local authority requirements.
<b>Hazard(s) not otherwise classified (HNOC)</b>	None known.
<b>Supplemental information</b>	None.

## 3. Composition/information on ingredients

### Mixtures

Chemical name	Common name and synonyms	CAS number	%
CELLULOSE PULP		65996-61-4	84 - 94

Chemical name	Common name and synonyms	CAS number	%
WATER		7732-18-5	6 - 16

Since this material is converted into other products in varying operations, there may be a possibility of generating combustible dust under certain conditions. This SDS contains valuable information critical to the safe handling and proper use of the product. The SDS should be retained and available for employees and other users of this product.

#### 4. First-aid measures

<b>Inhalation</b>	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.
<b>Skin contact</b>	If irritation occurs, remove contaminated clothing and shoes; wash skin with soap and water. Wash clothing before reuse.
<b>Eye contact</b>	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.
<b>Ingestion</b>	Not likely, due to the form of the product. Get medical attention if symptoms occur.
<b>Most important symptoms/effects, acute and delayed</b>	Direct contact with eyes and respiratory tract may cause temporary irritation.
<b>Indication of immediate medical attention and special treatment needed</b>	Treat symptomatically.
<b>General information</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

#### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	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.
<b>Unsuitable extinguishing media</b>	None known.
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	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.
<b>Fire fighting equipment/instructions</b>	Firefighters should wear full protective clothing including self-contained breathing apparatus.
<b>Specific methods</b>	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.
<b>General fire hazards</b>	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 <sup>3</sup> is often used as the minimum explosive concentration (MEC) or LFL.

#### 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Use only non-sparking tools. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. 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.
<b>Methods and materials for containment and cleaning up</b>	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.
<b>Environmental precautions</b>	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. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. 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 PULP (CAS 65996-61-4)	PEL	5 mg/m <sup>3</sup>	Respirable fraction.
		15 mg/m <sup>3</sup>	Total dust.

#### US. ACGIH Threshold Limit Values

Components	Type	Value
CELLULOSE PULP (CAS 65996-61-4)	TWA	10 mg/m <sup>3</sup>

#### US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
CELLULOSE PULP (CAS 65996-61-4)	TWA	5 mg/m <sup>3</sup>	Respirable.
		10 mg/m <sup>3</sup>	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

<b>Appearance</b>	Pulp.
<b>Physical state</b>	Solid.
<b>Form</b>	sheets
<b>Color</b>	White or Natural
<b>Odor</b>	Paper-like
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	Not applicable.
<b>Initial boiling point and boiling range</b>	Not applicable.
<b>Flash point</b>	Not applicable.
<b>Evaporation rate</b>	Not applicable.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not applicable.
<b>Vapor density</b>	Not applicable.
<b>Relative density</b>	Not applicable.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Insoluble
<b>Partition coefficient (n-octanol/water)</b>	Not applicable.
<b>Auto-ignition temperature</b>	399.2 - 500 °F (204 - 260 °C)
<b>Decomposition temperature</b>	Not applicable.
<b>Viscosity</b>	Not applicable.
<b>Other information</b>	
<b>Dust explosion properties</b>	
<b>St class</b>	1
<b>Molecular weight</b>	(162)X
<b>Specific gravity</b>	1.27 - 1.61

## 10. Stability and reactivity

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

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	Inhalation of dusts may cause respiratory irritation.
<b>Skin contact</b>	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** Ingestion is not likely to be a primary route of occupational exposure.

**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.

**Information on toxicological effects**

**Acute toxicity** Data for ingredients found below.

Components	Species	Test Results
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CELLULOSE PULP (CAS 65996-61-4)

Acute

**Oral**

LD50	Rat	> 5000 mg/kg, days
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**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 1910.1001-1052)**

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** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**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 1910.1001-1052)

Not regulated.

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### SARA 302 Extremely hazardous substance

Not listed.

**SARA 311/312 Hazardous chemical** Yes

**Classified hazard categories** Combustible dust

#### 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.

### International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes

Country(s) or region	Inventory name	On inventory (yes/no)*
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Toxic Chemical Substances (TCS)	Yes
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

<b>Issue date</b>	May-07-2015
<b>Revision date</b>	May-30-2018
<b>Version #</b>	03
<b>HMIS® ratings</b>	Health: 0 Flammability: 1 Physical hazard: 0
<b>NFPA ratings</b>	Health: 0 Flammability: 1 Instability: 0
<b>Disclaimer</b>	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.
<b>Revision information</b>	Product and Company Identification: Product and Company Identification Hazard(s) identification: Prevention Hazard(s) identification: Response First-aid measures: Eye contact First-aid measures: Ingestion Fire-fighting measures: Specific methods Accidental release measures: Personal precautions, protective equipment and emergency procedures Handling and storage: Precautions for safe handling Exposure controls/personal protection: Appropriate engineering controls Toxicological information: Skin contact Ecological information: Ecotoxicity Disposal considerations: Hazardous waste code GHS: Classification





## **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**

Prevent dust accumulation and airborne dispersion of dust to minimize flash fire and explosion hazard. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving 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. Observe good industrial hygiene practices.

### **Response**

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.



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Chemtrec - Emergency: 800.424.9300

## **Warning**

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.