



# SAFETY DATA SHEET

## 1. Identification

<b>Product identifier</b>	<b>FL-0F</b>
<b>Other means of identification</b>	
<b>Synonyms</b>	Flax fiber
<b>Recommended use</b>	Not available.
<b>Recommended restrictions</b>	None known.
<b>Manufacturer/Importer/Supplier/Distributor information</b>	
<b>Manufacturer</b>	
<b>Company name</b>	GP Cellulose America Marketing LLC
<b>Address</b>	133 Peachtree Street, NE Atlanta, GA 30303
<b>Telephone</b>	(M)SDS Request: 404.652.5119
<b>E-mail</b>	MSDSREQ@GAPAC.COM
<b>Website</b>	www.gpcellulose.com
<b>Emergency phone number</b>	Chemtrec - Emergency: 800.424.9300
<b>Importer/Supplier/Distributor</b>	Not applicable.

## 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>	Combustible dusts	Category 1
<b>Health hazards</b>	Not classified.	
<b>Environmental hazards</b>	Not classified.	
<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>	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.	
<b>Response</b>	Observe good industrial hygiene practices. 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>Other hazards</b>	None known.	
<b>Supplemental information</b>	None.	

## 3. Composition/information on ingredients

### Mixtures

Chemical name	Common name and synonyms	CAS number	%
Cellulose		9004-34-6	99 - 100

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. 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 a normal route of exposure. 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>	Carbon dioxide (CO <sub>2</sub> ).
<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 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. 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. ACGIH Threshold Limit Values

Components	Type	Value
Cellulose (CAS 9004-34-6)	TWA	10 mg/m <sup>3</sup>

#### Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Components	Type	Value
Cellulose (CAS 9004-34-6)	TWA	10 mg/m <sup>3</sup>

#### Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Type	Value	Form
Cellulose (CAS 9004-34-6)	TWA	3 mg/m <sup>3</sup>	Respirable fraction.
		10 mg/m <sup>3</sup>	Total dust.

#### Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)

Components	Type	Value
Cellulose (CAS 9004-34-6)	TWA	10 mg/m <sup>3</sup>

#### Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

Components	Type	Value
Cellulose (CAS 9004-34-6)	TWA	10 mg/m <sup>3</sup>

#### Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety)

Components	Type	Value	Form
Cellulose (CAS 9004-34-6)	TWA	10 mg/m <sup>3</sup>	Total dust.

### 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.

#### 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.

#### Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

#### 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>	Bulk
<b>Physical state</b>	Solid.
<b>Form</b>	Solid
<b>Colour</b>	Off-white
<b>Odour</b>	Characteristic.
<b>Odour threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	Not available.
<b>Flash point</b>	Not available.
<b>Evaporation rate</b>	Not available.
<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>Vapour pressure</b>	Not available.
<b>Vapour density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.

**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 oxidising 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>	Dermal contact with product in its purchased form.
<b>Eye contact</b>	Dust generated during processing may cause eye irritation.

<b>Ingestion</b>	Ingestion is not likely to be a primary route of occupational exposure.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	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.
<b>Information on toxicological effects</b>	
<b>Acute toxicity</b>	Data for ingredients found below.
<b>Skin corrosion/irritation</b>	Non-irritating in rabbits.
<b>Serious eye damage/eye irritation</b>	Minimally irritating in rabbits. Dust from processing may cause irritation.
<b>Respiratory or skin sensitisation</b>	
<b>Canada - Alberta OELs: Irritant</b>	
Cellulose (CAS 9004-34-6)	Irritant
<b>Respiratory sensitisation</b>	Not likely due to form of the product.
<b>Skin sensitisation</b>	No evidence of skin sensitization in guinea pigs.
<b>Germ cell mutagenicity</b>	No evidence of mutagenicity or genotoxicity in vitro cell systems or rats.
<b>Carcinogenicity</b>	No evidence of carcinogenicity in rats or humans. None of this product's components are listed by ACGIH, IARC, OSHA, or NTP.
<b>Reproductive toxicity</b>	No evidence of reproductive or developmental effects in rats or humans.
<b>Specific target organ toxicity - single exposure</b>	No evidence of specific target organ effects in rats and humans. Dust generated during processing may cause respiratory irritation.
<b>Specific target organ toxicity - repeated exposure</b>	No evidence of specific target organ effects in rats and humans.
<b>Aspiration hazard</b>	Not likely to cause aspiration.
<b>Chronic effects</b>	Prolonged exposure may cause chronic effects.

## 12. Ecological information

<b>Ecotoxicity</b>	No ecotoxicity data are available for this product's components.
<b>Persistence and degradability</b>	No data is available on the degradability of this product.
<b>Bioaccumulative potential</b>	Not available.
<b>Mobility in soil</b>	Not available.
<b>Other adverse effects</b>	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

<b>Disposal instructions</b>	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.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.
<b>Hazardous waste code</b>	The product is not an EPA hazardous waste.
<b>Waste from residues / unused products</b>	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).
<b>Contaminated packaging</b>	Not applicable.

## 14. Transport information

<b>TDG</b>	Not regulated as dangerous goods.
<b>IATA</b>	Not regulated as dangerous goods.
<b>IMDG</b>	Not regulated as dangerous goods.
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not available.

## 15. Regulatory information

### Canadian regulations

#### Controlled Drugs and Substances Act

Not regulated.

#### Export Control List (CEPA 1999, Schedule 3)

Not listed.

#### Greenhouse Gases

Not listed.

#### Precursor Control Regulations

Not regulated.

### International regulations

#### Stockholm Convention

Not applicable.

#### Rotterdam Convention

Not applicable.

#### Kyoto protocol

Not applicable.

#### Montreal Protocol

Not applicable.

#### Basel Convention

Not applicable.

## 16. Other information

### Issue date

05-31-2018

### Version No.

01

### Disclaimer

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.

### Revision information

Product and Company Identification: Synonyms  
Composition / Information on Ingredients: Ingredients  
Physical & Chemical Properties: Multiple Properties

## 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

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. Observe good industrial hygiene practices. Get medical advice/attention if you feel unwell. In case of fire: Use appropriate media to extinguish. Store away from strong oxidizers. Dispose of waste and residues in accordance with local authority requirements.

## Avertissement

### Mention de danger

La coupe, le refendage, l'assemblage à mi-bois, le broyage à marteau ou tout travail utilisant ce produit peut générer l'émission de grandes quantités de poussières pouvant former des concentrations de poussières combustibles dans l'air.

### Conseil de prudence

Tenir à l'écart de la chaleur, des surfaces chaudes, des étincelles, des flammes nues et de toute autre source d'ignition. Ne pas fumer. Mettre à la terre/masse le récipient et l'équipement de réception. Éviter l'empoussièrement et la dispersion des particules de poussière dans l'air afin de minimiser les risques d'inflammation instantanée et d'explosion. Appliquer de bonnes pratiques en matière d'entretien; ramasser les poussières dans les endroits où elles se déposent à l'aide d'un aspirateur pour éviter l'accumulation excessive de la matière combustible. Utiliser des aspirateurs à l'épreuve des flambées de poussière pour l'aspiration des poussières combustibles. Observer de bonnes pratiques d'hygiène industrielle. Observer de bonnes pratiques d'hygiène industrielle. Demander un avis médical/Consulter un médecin en cas de malaise. En cas d'incendie : utiliser un agent d'extinction approprié. Stocker à l'écart des comburants puissants. Éliminer les rejets et les déchets conformément aux règlements municipaux.

Manufacturer: / Company name: GP  
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www.gpcellulose.com / Emergency  
phone number: Chemtrec - Emergency:  
800.424.9300 / / Importer/Supplier/  
Distributor: Not applicable.

