

Environmental Product Declaration Sheet 2024



MILL LOCATION

Castlegar, British Columbia, Canada

PRODUCT PROFILE

520,000 ADMTs/yr Northern Bleached Softwood kraft pulp

PROCESS DESCRIPTION

Mercer Celgar produces high-quality, bleached and unbleached softwood kraft pulp from many different softwood species in the region. A two-stage oxygen delignification system precedes the 4 stage ECF (Elemental Chlorine Free) bleach plant.

ECF BLEACHING SEQUENCE

D0 Ep D1 D2

SOFTWOOD SPECIES

- **Cedar** - Thuja plicata
- **Douglas fir** - Pseudotsuga menziesii
- **Engelman spruce** - Picea engelmannii
- **Grand fir** - Abies grandis
- **Lodgepole pine** - Pinus contorta
- **Ponderosa pine** - Pinus ponderosa
- **Subalpine fir** - Abies lasiocarpa
- **Western hemlock** - Tsuga heterophylla
- **Western larch** - Larix occidentalis
- **White pine** - Pinus monticola

RESPONSIBLE FIBER SOURCING

Mercer Celgar Limited Partnership produces softwood pulp from approximately 2.3 million cubic meters of wood annually. All fiber sourced originates from sustainable forestry operations primarily located in the Southern Interior of British Columbia and the southwest corner of Alberta, Canada. 100% of fiber sourced comes from low-risk sources and does not contribute to deforestation, forest degradation or illegal logging. Approximately 42% of fiber sourced is certified to a sustainable forest certification standard, including SFI and FSC®.

We are committed to responsible forestry throughout the supply chain and maintain a Due Diligence System to ensure wood procurement aligns with our global [Wood and Fibre Procurement Policy](#).

Mercer Celgar is certified to the FSC® Chain of Custody FSC-STD-40-004 V3-1 and Controlled Wood FSC-STD-40-005 V3-1 standards as well as the PEFC Chain of Custody of Forest and Tree Based Products PEFC-COC-2438.01 standard.

COMPLIANCE WITH INTERNATIONAL STANDARDS

Mercer Celgar pulp is fully compliant with the requirements of the US Lacey Act, the EU Timber Regulations, the EU Deforestation Regulation and the EU REACH Regulation.

CERTIFICATIONS

FIBER	CERTIFICATION NO.	EXPIRATION DATE
PEFC Chain of Custody	SCS-PEFC-COC-100153	September 28, 2027
FSC® Chain of Custody	SCS-COC-701158)	October 16, 2027
QUALITY, ENVIRONMENT & ENERGY		
ISO 9001:2015	0115002	February 25, 2027
ISO 14001:2015	0113316	January 22, 2027
FOOD GRADE	STANDARD	EXPIRATION DATE
ISEGA NBSK	BfR XXXXV1 and BfR XXXV1/1	October 29, 2026
ISEGA UKP	BfR XXXXV1 and BfR XXXV1/1	October 29, 2026
Halal Product/Production	Int'l Halal Standards	July 02, 2025

2023 ENVIRONMENTAL PARAMETERS

FOSSIL FUEL GREENHOUSE GAS EMISSIONS:	259 CO ₂ e/ADMT												
RENEWABLE ELECTRICITY:	The mill's biomass is the main source of the electricity required for the pulp operation.												
ENERGY EFFICIENCY:	30.33 GJ/ADMT, of which 78% is from renewable sources.												
WATER EMISSIONS:	<table> <tr> <td>BOD₅ (kg/ADMT):</td><td>0.34</td></tr> <tr> <td>AOX (kg/ADMT)</td><td>0.10</td></tr> <tr> <td>Nitrogen (kg/ADMT)</td><td>0.17</td></tr> <tr> <td>Phosphorous (kg/ADMT)</td><td>0.07</td></tr> <tr> <td>Water usage (m³/ADMT)</td><td>113.51</td></tr> <tr> <td>Total suspended solids (kg/ADMT)</td><td>1.07</td></tr> </table>	BOD ₅ (kg/ADMT):	0.34	AOX (kg/ADMT)	0.10	Nitrogen (kg/ADMT)	0.17	Phosphorous (kg/ADMT)	0.07	Water usage (m ³ /ADMT)	113.51	Total suspended solids (kg/ADMT)	1.07
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AIR EMISSIONS:	<table> <tr> <td>TRS (kg/ADMT)</td><td>0.01</td></tr> <tr> <td>SO₂ (kg/ADMT)</td><td>0.20</td></tr> <tr> <td>Particulate matter (kg/ADMT)</td><td>0.59</td></tr> <tr> <td>NOX (kg/ADMT)</td><td>1.17</td></tr> </table>	TRS (kg/ADMT)	0.01	SO ₂ (kg/ADMT)	0.20	Particulate matter (kg/ADMT)	0.59	NOX (kg/ADMT)	1.17				
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WASTE MANAGEMENT:	Solid waste landfilled (kg/ADMT): 13.23												

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ROAD TO ZERO

The protection of human health and personal safety ranks at the highest level of importance to Mercer's operations.

Mercer Celgar operates in a diligent and responsible manner to ensure ZERO HARM to their people through the Road to Zero safety program. Mercer Celgar is dedicated to continuously improving their processes, being individually accountable and promoting comprehensive safety awareness.

Mill Safety Performance - Total Recordable Incident Rate (TRIR):

(Incidents /200,000 hrs)

2022: 2.41 | 2023: 1.52 | 2024: 1.10



QUALITY ASSURANCE

Refining is the key process required in papermaking to alter fiber characteristics. Mercer operates a state-of-the-art laboratory refiner simulating the industrial refining process to support Mercer customers, mill projects, and applied research.

SUSTAINABLE FOREST MANAGEMENT

Mercer is committed to sustainable forest management and wood sourcing. All Mercer Celgar's suppliers must comply with Mercer's [Environmental Policy](#) and [Wood and Fibre Procurement Policy](#), which mandate that fiber is sourced from sustainably managed forests. The approach is guided by the following principles:

- Legal and regulatory compliance in wood harvesting and purchasing
- Building long-term supplier relationships
- Respectful collaboration with small landowners and Indigenous Communities
- Prioritizing worker safety and minimizing our carbon footprint

Furthermore, we ensure that fiber is not sourced from:

- Illegally harvested wood
- Wood harvested in violation of traditional and human rights
- Wood from forests in which high conservation values are threatened by management activities
- Wood harvested in forests being converted to plantations or non-forest use
- Wood from forests in which genetically modified trees are planted

FOOD GRADE CERTIFICATIONS

Mercer Celgar's softwood pulp is manufactured and rigorously tested by independent labs to ensure our pulp meets Food Grade Standards, including US-FDA and European Standards (ISEGA) EC No.1935/2004.

MITIGATING CLIMATE CHANGE

Mercer is committed to reducing its GHG emissions intensity through continuous investment in best available technologies for improving energy efficiency, increasing the usage of renewable biofuels, and ensuring full fiber utilization

In 2024, Mercer Celgar generated 406 GWh of biomass energy which is enough to power 37,000 homes in British Columbia.

As part of its commitment to sustainable operations and products, Mercer publishes an annual company-wide Sustainability Report that demonstrates progress and achievements toward sustainability goals. The full report is available at mercerint.com/sustainability/

SCIENCE BASED TARGETS INITIATIVE (SBTi)

Responding to the SBTi's urgent call for corporate climate action, Mercer International has set science-based GHG emissions reduction targets that have been validated by the SBTi.

