



Kraft Process: A Paper-Maker's Craft

The **kraft process** is used to produce [cellulose fibers](#) from **wood chips**, which are then used to make **paper** and other everyday materials.

- It is a **chemical process** involving the treatment of wood chips with **water**, [sodium hydroxide](#), and **sodium sulfide** at high temperatures.
- The **mixture of sodium hydroxide** and **sodium sulfide** creates **white liquor**, which breaks the bonds between **lignin**, [hemicellulose](#), and **cellulose** in the **wood chips**.
- This process is the most common method for **paper production**, yielding stronger paper determined by its sulphidity, indicating the relative sulfur content.
- The process releases substances like **lignin**, [dissolved carbon](#), **alcohol ions**, and [heavy metals](#) into the water, making it **environmentally unfriendly**.

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