

# COMBUSTIBLE DUST

## COMBUSTIBLE WOOD DUST IS AN EXTREME HAZARD



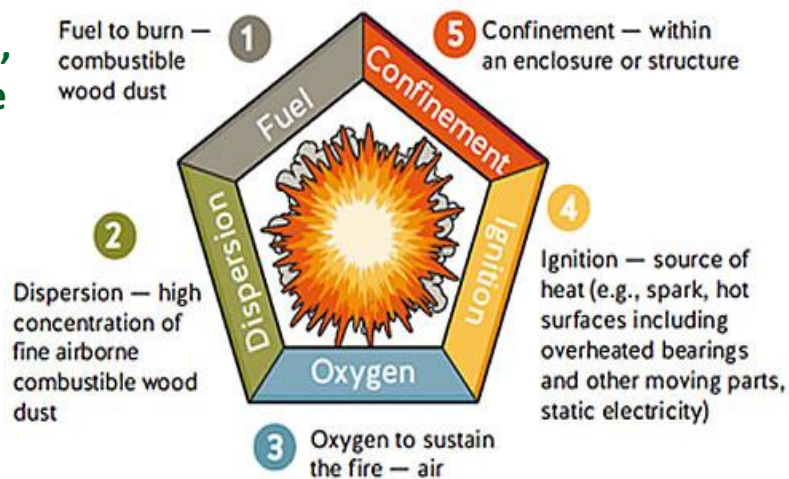
A dust explosion is the ignition and very rapid burning of a very thick dust cloud in an enclosure or container causing a pressure rise that ruptures the enclosure or container

The “enclosure” can be the interior of a building if enough combustible dust is present to form an explosive dust cloud.

### ELIMINATE COMBUSTIBLE DUST BY:

- Avoiding build up on horizontal surfaces (such as window ledges, beams, light fixtures, inside false ceilings, ventilation or conveyor equipment and ducts)
- Only use a dust collection / extraction system that is designed to eliminate or control combustible dust
- Using most models of fans & air lances can typically stir the dust, adding dust particles into the air, worsening the situation

### Dust explosion pentagon



If a high concentration of wood dust becomes airborne and contacts an ignition source in a contained area, an explosion will likely occur.



**West Fraser Mills Ltd.**

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