



10. What makes wood dust explosive? (Choose all that apply)

- a) It must be combustible
- b) Fine enough to be airborne
- c) Dry
- d) Suspended in the air in an explosive concentration
- e) Contained or enclosed in a confined area
- f) All of the above

11. Housekeeping Rule of Thumb: Clean when combustible dust obscures the \_\_\_\_ of the underlying surface. Thickness / Color / Texture. (Circle one)

12. Which are the top two ignition sources from the list below?

- Mechanical Sparks
- Space Heaters
- Static Electricity
- Hot Surfaces
- Friction
- Some Mobile Equipment
- Overheating Equipment
- Electrical Arcs or Shorts.

13. You see that a thick layer of dust has formed on the exterior casing of an MCC panel. You note that the dust is wet because of misting systems in the mill. You might: (Circle one)

- a) Attempt to clean off the MCC panel and leave it at that.
- b) Attempt to clean off the MCC panel, if trained to do so, and report the situation to the applicable supervisors, as the dust could be heated and dried over time to the point it could be easily ignited.
- c) Do nothing. The dust is wet and therefore won't ignite

14. Who has a role in preventing fires, deflagrations, and explosions? ( Circle all that apply)

- a) Employees
- b) Management

15. Which are employee roles and responsibilities?

- |  |                      |
|--|----------------------|
| Select & design dust mitigation strategies:        | <b>True or False</b> |
| Learn and follow safe work procedures:             | <b>True or False</b> |
| Report unsafe conditions and acts:                 | <b>True or False</b> |
| Investigate reports or unsafe conditions and acts: | <b>True or False</b> |

16. When is combustible dust an "Undue Hazard"? ( Circle yes or no) (3 Possible conditions)

- A dense airborne cloud exists: Yes or No
- A thick accumulation of primary dust exists: Yes or No
- A thick accumulation of secondary dust exists: Yes or No
- One or more ignition sources exist: Yes or No
- Combustible Dust is inside a dust collection system: Yes or No

17. Most fatalities, injuries and property damage is caused by \_\_\_\_\_ explosions. **Primary** or **Secondary**  
(Circle one)

18. What is the correct series of events for a dust explosion in the work area?

- a) Some event disturbs settled dust into a cloud, Dust cloud is ignited and explodes, dust settles on flat surfaces.
- b) Dust settles on flat surfaces, Some event disturbs settled dust into a cloud, Dust cloud is ignited and explodes

19. Workers and supervisors are the first line of defense for combustible dust hazard recognition:

**True or False**

20. Many substances are combustible when in a dry, dust form such as:

- |               |                      |
|---------------|----------------------|
| Cornstarch    | <b>True or False</b> |
| Sawdust       | <b>True or False</b> |
| Refined sugar | <b>True or False</b> |
| Aluminum      | <b>True or False</b> |

Signature \_\_\_\_\_

Date: \_\_\_\_\_

Tolko Signature \_\_\_\_\_

Date: \_\_\_\_\_