

# Dust Explosions Infographic



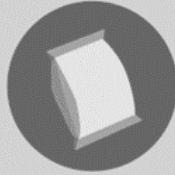
# TYPES OF COMBUSTIBLE DUST



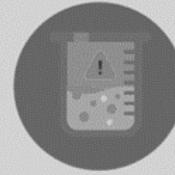
Agricultural Products  
Sugars, Starches, Milks, etc.



Agricultural Dusts  
Flours, Hops, Gluten, Cotton, etc.



Carbonaceous Dusts  
Charcoal, Cellulose, Corn, etc.



Chemical Dusts  
Lactose, Sulfur, Calcium, Acetate, etc.



Metal Dusts  
Aluminum, Zinc, Bronze, etc.



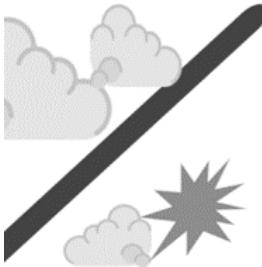
Plastic Dusts  
Epoxy Resin, Poly Ethylene, etc.

DID YOU KNOW?

Grain dust is 9 times more combustible than coal dust!



## FUGITIVE DUST & SECONDARY EXPLOSIONS



Fugitive dust is dust that is created and accumulated within a facility. It often becomes trapped in unnoticeable places such as overhead beams and above ceilings.

During a primary explosion, fugitive dust can ignite and produce secondary explosions

It is oftentimes the secondary explosion that is the most destructive.



## FAMOUS CASES

1785

Giacomelli Bakery Explosion, 1st recorded dust explosion  
2 injuries

1878

Washburn A Grain Mill Explosion  
18 deaths

1977

Westwego Grain Explosion  
36 deaths

2003

West Pharmaceuticals Fire (Plastics)  
6 deaths

2008

Imperial Sugar Explosion  
14 deaths

