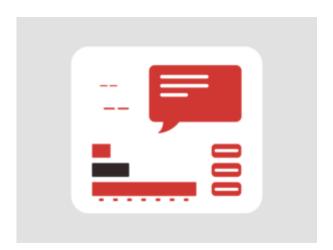
Dust Explosions Infographic



TYPES OF COMBUSTIBLE DUST



Agricultural Products

Sugars, Starches, Milks, etc.



Chemical Dusts

Lactose, Sulfur, Calcium, Acetate, etc.



Agricultural Dusts

Flours, Hops, Gluten, Cotton, etc.



Metal Dusts

Aluminum, Zinc, Bronze, etc.



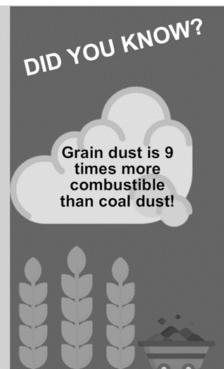
Carbonaceous Dusts

Charcoal, Cellulose, Corn, etc.



Plastic Dusts

Epoxy Resin, Poly Ethylene, etc.



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 Giacomelli Bakery Explosion, 1st recorded dust explosion 2 injuries 1785 1878 Washburn A Grain Mill **Explosion** 18 deaths Westwego Grain Explosion 1977 36 deaths 2003 **West Pharmaceuticals Fire** (Plastics) 6 deaths Imperial Sugar Explosion 2008 14 deaths

Source: https://www.tuvsud.com/en