

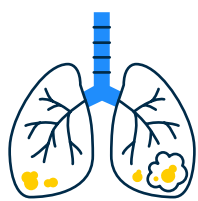
The Danger Of Dealing With Dust In The Workplace

The Dangers of Dust in the Workplace



- **Respiratory damage and illnesses**
Airborne dust can produce or worsen severe respiratory problems, ranging from pneumonia to lung cancer
- **Occupational asthma**
- **Dermatological issues, including cancer**
- **Eye irritation and visual impairment**
- **Contaminated or damaged products**
- **Fall and fire hazards**
- **Injury from explosive fires**
Workplace incidents involving combustible dust have caused more than 100 deaths and 700+ injuries in the last three decades

The Causes of Such Dangers

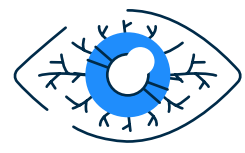


Certain dusts can contain irritating chemicals or corrosive properties that damage skin



Silica, asbestos and other mineral dusts can be deadly if inhaled in large concentrations

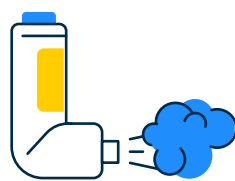
HSE estimates silica dust is responsible for 500 construction worker deaths annually



Deposits of dust can accumulate in the eye, occluding vision and causing damage



Dust can settle on walking surfaces, affecting grip



Wood dust can cause breathing irritation and dermatitis

Workers exposed to wood dust are 4x more likely to develop asthma



Paint particles, epoxy, metal, chemical and other dusts are classified as combustible dust

Prevention and Minimization Measures

- Ensure there is adequate ventilation
- Maintain HVAC components and regularly change air filters
- Increase health and safety training procedures
The World Health Organization (WHO) warns that airborne dust can lead to penalties, fines and a damaged reputation
- Encourage regular health check-ups
- Provide sufficient personal protective equipment (PPE), including Respiratory Protective Equipment (RPE)
- Contain or close contaminated areas
- Wet tools before cutting materials to reduce dust accumulation, when applicable
- Activate dust extractors and other extraction tools
- Utilize industrial vacuums to clean work areas
Cutting-edge models remove at least 99.97% of dust particles as small as 0.3 microns in size

