



CRYSTALLINE SILICA



Respirable size particles are formed when workers drill, grind, cut or chip objects which contain crystalline silica. Silica exposure is a serious threat to millions of workers in North America as crystalline silica is a basic component of sand, soil and many other minerals. The health effects of crystalline silica exposure include:

- Chronic Silicosis - Symptoms include shortness of breath, chest pain and respiratory failure.
- Accelerated Silicosis - Symptoms include severe shortness of breath, weakness and weight loss.
- Acute Silicosis - Symptoms include severe debilitating shortness of breath, weakness and weight loss which often leads to death.
- Lung Cancer
- Tuberculosis
- Chronic Obstructive Pulmonary Disease
- Rheumatoid Arthritis
- Kidney and Autoimmune Disease

Services

- Exposure Air Monitoring
- Ventilation Assessment
- Training & Awareness Sessions
- Health Walk-Through Assessment
- Risk Management
- Exposure Control Plan

Worker exposure can occur from daily activities in:

- Coal Mining
- Fracking Operations
- Abrasive Blasting
- Rock / Well Drilling
- Foundry or Quarry Work
- Concrete / Asphalt Plants

