

WHAT CAN HAPPEN TO YOUR LUNGS AND HOW TO PROTECT THEM

Occupational Asthma/Allergies

Materials, hazards and risks that expose workers to injury:

- aluminum dust
- asbestos
- brake dust
- designated substances (isocyanates and silica)
- buffing
- fumes
- grinding
- pollution and fumes
- sand blasting
- sanding
- smoking and second hand smoke
- solvents
- sprays
- spray painting (isocyanates, and other chemicals)
- vehicle exhaust
- welding (galvanized)

Chronic Obstructive Pulmonary Disease (COPD)

Materials, hazards and risks that expose workers to injury:

- buffing
- sanding
- sand blasting
- sprays
- welding

Inhalation

Materials, hazards and risks that expose workers to injury:

- carbon monoxide
- chemicals (paint, alcohol)
- dust
- fumes (vehicle exhaust)
- glue

Exposures

Materials, hazards and risks that expose workers to injury:

- aluminum
- dust
- fiberglass
- isocyanates
- lead
- silica

KEEP CALM and BREATHE ON

LIST OF CONTROLS FOR RESPIRATORY PROTECTION:

Hazard Assessment, Education and Training, Safe Operating Procedures, Proper Ventilation for Circulation of Fresh Air, Control of Dust, Extraction Systems, Masks, Respirators

Impact to the Workplace

- Affects mental health of the injured
- Devastating effect on family, friends, and co-workers
- Learning to live and work with a physical disability
- Decreased productivity of the injured worker
- Hiring and retraining new employees

Types of Respiratory Injuries

Occupational Asthma • Allergies • Chronic Obstructive Pulmonary Disease (COPD) • Acute Respiratory Failure • Chemical Inhalation • Lung Cancer



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