WHAT CAN HAPPEN TO YOUR LUNGS AND HOW TO PROTECT THEM

**Occupational Asthma/Allergies**
Materials, hazards and risks that expose workers to injuries from dust, mist, vapour, or fume from:
- aluminum dust
- asbestos
- brake dust
- designated substances (isocyanates and silica)
- buffing
- grinding
- pollution and fumes
- sand blasting

**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

**Chronic Obstructive Pulmonary Disease (COPD)**
Materials, hazards and risks that expose workers to injury:
- buffing
- spraying
- sand blasting

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

**LIST OF CONTROLS FOR RESPIRATORY PROTECTION:**
Proper Ventilation for Circulation of Fresh Air, Control of Dust, Extraction Systems, Hazard Assessment, Education and Training, Safe Operating Procedures, 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
- Reduced morale

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