HEPA FILTRATION & HEXAVLENT CHROMIUM

Eliminate dust and fumes to Hepa levels with the addition of a hepa filter & chamber to your portable extractor.

HEXAVLENT CHROMIUM FACTS

Some major industrial sources of hexavalent chromium are:

- chromate pigments in dyes, paints, inks, and plastics
- chromates added as anti-corrosive agents to paints, primers and other surface coatings
- chrome plating by depositing chromium meta onto an item's surface using a solution of chromic acid
- particles released during smelting of ferrochromium ore
- **fume from welding stainless steel or nonferrous chromium alloys**
- impurity present in portland cement. How hexavalent chromium can harm employees

Workplace exposure to hexavalent chromium may cause the following health effects:

- lung cancer in workers who breathe airborne hexavalent chromium
- irritation or damage to the nose, throat, and lung (respiratory tract) if hexavalent chromium is breathed at high levels
- irritation or damage to the eyes and skin if hexavalent chromium contacts these organs in high concentrations.

How employees can be exposed to hexavalent chromium

Employees can inhale airborne hexavalent chromium as a dust, fume or mist while:

- producing chromate pigments and powders; chromic acid; chromium catalysts, dyes, and coatings
- working near chrome electoplating
- welding and hotworking stainless steel, high chrome alloys and chrome-coated metal
- applying and removing chromate-containing paints and other surface coatings.

HEPA filters efficiency

99.97% at .3 microns or larger

Available for the following units:

- Boxair 1HP System
- Rollout 2HP System
- Giant 3HP System

Specialists in Dust and Fume Extraction Systems

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