Welding Processes
Fume component

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- **Cadmium**
  - acute lung / respiratory irritation
- **Chromium**
  - nasal irritation, allergic skin reactions
- **Zinc**
  - potential lung cancer
- **Copper / Zinc (coating, brazing, galvanised)**
  - metal fume fever
- **Fluoride (flux)**
  - respiratory irritation, long term bone disease
  - fluorosis
- iron
  - siderisos - a deposit of iron oxide in the lung
- mananese
  - respiratory irritant
  - neurological effect long-term
- **Lead (soldering, paints)**
  - chronic poisoning
- Nitrogen oxides
  - respiratory irritatant
  - long-term lung damage
- Ozone
  - respiratory irritatant
  - long-term lung damage
- silver soldering, plated materials
  - long-term lung damage

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