<table>
<thead>
<tr>
<th>Item</th>
<th>Hazardous chemical</th>
<th>Type of health monitoring</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Acrylonitrile</td>
<td>Demographic, medical and occupational history Records of personal exposure Physical examination</td>
</tr>
<tr>
<td>2</td>
<td>Arsenic (inorganic)</td>
<td>Demographic, medical and occupational history Records of personal exposure Physical examination with emphasis on the peripheral nervous system and skin Urinary inorganic arsenic</td>
</tr>
<tr>
<td>3</td>
<td>Benzene</td>
<td>Demographic, medical and occupational history Records of personal exposure Physical examination Baseline blood sample for haematological profile</td>
</tr>
<tr>
<td>4</td>
<td>Cadmium</td>
<td>Demographic, medical and occupational history Records of personal exposure Physical examination with emphasis on the respiratory system Standard respiratory questionnaire to be completed Standardised respiratory function tests including for example, FEV₁, FVC and FEV₁/FVC Urinary cadmium and β₂-microglobulin Health advice, including counselling on the effect of smoking on cadmium exposure</td>
</tr>
<tr>
<td>5</td>
<td>Chromium (inorganic)</td>
<td>Demographic, medical and occupational history Physical examination with emphasis on the respiratory system and skin Weekly skin inspection of hands and forearms by a competent person</td>
</tr>
<tr>
<td>6</td>
<td>Creosote</td>
<td>Demographic, medical and occupational history Health advice, including recognition of photosensitivity and skin changes Physical examination with emphasis on the neurological system and skin, noting any abnormal lesions and evidence of skin sensitisation Records of personal exposure, including photosensitivity</td>
</tr>
<tr>
<td>7</td>
<td>Crystalline silica</td>
<td>Demographic, medical and occupational history Records of personal exposure Standardised respiratory questionnaire to be completed Standardised respiratory function test, for example, FEV₁, FVC and FEV₁/FVC Chest X-ray full size PA view</td>
</tr>
<tr>
<td>Item</td>
<td>Hazardous chemical</td>
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</tr>
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</tr>
</tbody>
</table>
| 8    | Isocyanates       | Demographic, medical and occupational history  
Completion of a standardised respiratory questionnaire  
Physical examination of the respiratory system and skin  
Standardised respiratory function tests, for example, FEV₁, FVC and FEV₁/FVC |
| 9    | Mercury (inorganic) | Demographic, medical and occupational history  
Physical examination with emphasis on dermatological, gastrointestinal, neurological and renal systems  
Urinary inorganic mercury |
| 10   | 4,4’-Methylene bis (2-chloroaniline) (MOCA) | Demographic, medical and occupational history  
Physical examination  
Urinary total MOCA  
Dipstick analysis of urine for haematuria  
Urine cytology |
| 11   | Organophosphate pesticides | Demographic, medical and occupational history including pattern of use  
Physical examination  
Baseline estimation of red cell and plasma cholinesterase activity levels by the Ellman or equivalent method  
Estimation of red cell and plasma cholinesterase activity towards the end of the working day on which organophosphate pesticides have been used |
| 12   | Pentachlorophenol (PCP) | Demographic, medical and occupational history  
Records of personal exposure  
Physical examination with emphasis on the skin, noting any abnormal lesions or effects of irritancy  
Urinary total pentachlorophenol  
Dipstick urinalysis for haematuria and proteinuria |
| 13   | Polycyclic aromatic hydrocarbons (PAH) | Demographic, medical and occupational history  
Physical examination  
Records of personal exposure, including photosensitivity  
Health advice, including recognition of photosensitivity and skin changes |
| 14   | Thallium | Demographic, medical and occupational history  
Physical examination  
Urinary thallium |
| 15   | Vinyl chloride | Demographic, medical and occupational history  
Physical examination  
Records of personal exposure |

Table 14.2 Lead requiring health monitoring

<table>
<thead>
<tr>
<th>Column 1</th>
<th>Column 2</th>
<th>Column 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item</td>
<td>Lead</td>
<td>Type of health monitoring</td>
</tr>
</tbody>
</table>
| 1        | Lead (inorganic) | Demographic, medical and occupational history  
Physical examination  
Biological monitoring |