APPENDIX C
SAMPLE RESPIRATORY QUESTIONNAIRE

Use the actual wording of each question. Put X in the appropriate space after each question. When in doubt, record "NO."

PREAMBLE: I am going to ask you some questions mainly about your chest. I should like you to answer 'YES' or 'NO' whenever possible.

<table>
<thead>
<tr>
<th>YES</th>
<th>NO</th>
<th>N/A</th>
</tr>
</thead>
</table>

1. Do you usually cough first thing in the morning or on getting up?  
(Count a cough with first smoke or on first going out of doors. Exclude throat clearing or a single cough.)  

2. Do you cough like this on most days for as much as three months each year?  

3. Do you cough at work?  

4. Do you usually bring up some phlegm from your chest first thing in the morning or on getting up?  
(Count phlegm with the first smoke or on first going out of doors. Exclude phlegm from the nose. Count swallowed phlegm.)  

5. Do you bring up phlegm like this on most days for as much as three months each year?  

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6. In the past three years, have you had a period of (increased) cough and phlegm lasting 3 weeks or more?

7. Have you had more than one such period?

8. Does your chest ever feel tight or your breathing become difficult?

9. Do you get this apart from colds?
   (If YES: specify ... (Interviewer to code)
   (a) With Exercise
   (b) At Work
   (c) Any Other Time
   If disabled from walking by skeletal or other physical disability put ‘X’ here.

10. Are you troubled by shortness of breath, when hurrying on the levels or walking up a slight hill?
    (If ‘NO’ omit questions 11 and 12)

11. Do you get short of breath walking with other people of your own age on level ground?
    (If ‘NO’ omit question 12)

12. Do you have to stop for breath when walking at your own pace on level ground?

13. Do you usually have a stuffy nose or catarrh at the back of your nose in the winter?

14. Do you have this in the summer?
    (If ‘NO’ to both questions 13 and 14, go to question 16)

15. Do you have this on most days for as much as three months each year?
16. During the past 3 years have you had any chest illness which has kept you off work or from your usual activities for as much as a week?  

17. Did you bring up more phlegm than usual in any of these illnesses? 

18. Have you had more than one illness with phlegm like this in the last 3 years? 

HAVE YOU EVER HAD: 
(Give relevant details after each positive answer.) 

19. An injury or operation affecting your chest? 

20. Heart trouble? 

21. Bronchitis? 

22. Pneumonia? 

23. Pleurisy? 

24. Pulmonary Tuberculosis? 

25. Bronchial Asthma? 

26. Eczema? 

27. Dermatitis? 

28. Pneumoconiosis?
29. Byssinosis? ___________________________ ___ ___

30. Other chest troubles? ___________ ___ ___

31. Have you ever smoked? ___________ ___ ___
(Record 'NO' if subject has never smoked as much as one cigarette a day, or 1 oz. tobacco a month, for as long as one year)

32. Age when stopped ___ years. Was this in the last month? ___ ___
If 'YES' to 31 and 32, fill in figures below:

<table>
<thead>
<tr>
<th>AMOUNT SMOKED</th>
<th>BEFORE</th>
<th>NOW</th>
<th>STOPPING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cigarettes/day</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Average including weekends) ___</td>
<td>___</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oz. tobacco/week (handrolled) ___</td>
<td>___</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cigars/week (large) ___</td>
<td>___</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cigars/week (small) ___</td>
<td>___</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Occupation (1st Interview Only)

(Record on lines the years in which subject has worked in any of these industries, e.g., 1960-1963)

YES NO

33. Have you ever worked in a dusty job? ___________________________ ___ ___

34. In a coal mine _____________________ ___ ___

35. In any other mine? ___________ ___ ___
36. In a quarry?  

37. In a foundry?  

38. In a pottery?  

39. In a cotton, flax or hemp mill?  

40. With asbestos?  

41. In any other dusty job?  
   If ‘YES’, specify  

42. Have you ever been exposed regularly to irritating gas or chemical fumes?  
   If ‘YES’, give details of nature and duration  

**Occupation** (Follow-Up only)  

43. What is your present job?  

44. How long have you been doing it?  

45. What was your previous job in the factory?  

* Taken with minor changes from Operating and Medical Codes of Practice for Safe Working with Toluene Diisocyanate, Health Advisory Committee, British Rubber Manufacturers' Association Ltd.  

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# APPENDIX D

## OCCUPATIONS AND SELECTED POTENTIAL EXPOSURES

<table>
<thead>
<tr>
<th>Occupation</th>
<th>Agent(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abrasive blasters</td>
<td>Silica</td>
</tr>
<tr>
<td>Abrasive makers</td>
<td>Silica</td>
</tr>
<tr>
<td>Abrasion resistant rubber makers</td>
<td>Tol, diisocyanate</td>
</tr>
<tr>
<td>Acetylene workers</td>
<td>Arsenic</td>
</tr>
<tr>
<td>Acid dippers</td>
<td>Arsenic nitrogen dioxide</td>
</tr>
<tr>
<td>Acid finishers</td>
<td>Lead</td>
</tr>
<tr>
<td>Actors</td>
<td>Lead</td>
</tr>
<tr>
<td>Acetic acid makers</td>
<td>Carbon monoxide</td>
</tr>
<tr>
<td>Acoustical product makers</td>
<td>Asbestos</td>
</tr>
<tr>
<td>Acoustical product installers</td>
<td>Asbestos</td>
</tr>
<tr>
<td>Adhesive makers</td>
<td>Benzene</td>
</tr>
<tr>
<td>Adhesive workers</td>
<td>Tol, diisocyanate</td>
</tr>
<tr>
<td>Agriculture</td>
<td>Lead, silica</td>
</tr>
<tr>
<td>Airplane dope makers</td>
<td>Benzene</td>
</tr>
<tr>
<td>Air filter makers</td>
<td>Asbestos</td>
</tr>
<tr>
<td>Aircraft burners</td>
<td>Tol, diisocyanate</td>
</tr>
<tr>
<td>Airplane pilots</td>
<td>Carbon monoxide</td>
</tr>
<tr>
<td>Alcohol workers</td>
<td>Benzene</td>
</tr>
<tr>
<td>Alkali-salt makers</td>
<td>Sulfur dioxide</td>
</tr>
<tr>
<td>Alloy makers</td>
<td>Arsenic</td>
</tr>
<tr>
<td>Amalgam makers</td>
<td>Mercury</td>
</tr>
<tr>
<td>Ammonia makers</td>
<td>Carbon monoxide</td>
</tr>
<tr>
<td>Aniline color makers</td>
<td>Arsenic</td>
</tr>
<tr>
<td>Aniline makers</td>
<td>Benzene, nitrogen dioxide</td>
</tr>
<tr>
<td>Aniline workers</td>
<td>Arsenic</td>
</tr>
<tr>
<td>Antimony ore smelters</td>
<td>Antimony</td>
</tr>
<tr>
<td>Antimony workers</td>
<td>Antimony</td>
</tr>
<tr>
<td>Aniline makers</td>
<td>Benzene nitrogen dioxide</td>
</tr>
<tr>
<td>Aniline color makers</td>
<td>Arsenic</td>
</tr>
<tr>
<td>Arsenic acid makers</td>
<td>Arsenic, nitrogen dioxide</td>
</tr>
<tr>
<td>Arsenic workers</td>
<td>Arsenic</td>
</tr>
<tr>
<td>Art glass workers</td>
<td>Benzene</td>
</tr>
</tbody>
</table>

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Artificial flower makers
Artificial leather makers
Artists, commercial
Arc welders
Arsine workers
Artificial abrasive makers
Artificial gas workers
Asbestos product
impregnators
Asphalt mixers
Asbestos-cement products
Asbestos-cement products
users
Asbestos-coating makers
Asbestos-coating users
Asbestos-Grout makers
Asbestos-Grout users
Asbestos-millboard makers
Asbestos-mortar makers
Asbestos-mortar users
Asbestos millers
Asbestos miners
Asbestos-paper makers
Asbestos-paper users
Asbestos-plaster makers
Asbestos-plaster users
Asbestos sprayers
Asbestos workers
Asbestos product
impregnators
Auto body shop workers
Auto garage workers
Auto painters
Automotive workers
Automobile users
Babbitters
Babbitt metal workers
Bactericide makers
Barometer makers
Battery makers
Battery makers, dry
Battery workers, storage

Arsenic
Benzene, nitrogen dioxide
Lead, mercury
Carbon monoxide
Arsenic
Carbon monoxide
Carbon monoxide
Benzene
Benzene
Asbestos
Asbestos
Asbestos
Asbestos
Asbestos
Asbestos
Asbestos
Asbestos
Asbestos
Asbestos
Asbestos
Asbestos
Asbestos
Asbestos
Asbestos
Asbestos
Asbestos
Lead
Silica, nitrogen dioxide, sulfur
dioxide, carbon monoxide, asbestos, lead
Nitrogen dioxide
Benzene, sulfur dioxide, carbon
monoxide, nitrogen dioxide
Carbon monoxide
Lead
Antimony, arsenic
Mercury
Mercury
Mercury
Benzene
Antimony
<table>
<thead>
<tr>
<th>Industry</th>
<th>Hazardous Substance(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bakers</td>
<td>Carbon monoxide</td>
</tr>
<tr>
<td>Battery (dry) makers</td>
<td>Benzene</td>
</tr>
<tr>
<td>Beaming operators, cotton mill</td>
<td>Cotton dust</td>
</tr>
<tr>
<td>Beet sugar bleachers</td>
<td>Sulfur dioxide</td>
</tr>
<tr>
<td>Belt scoursers</td>
<td>Benzene</td>
</tr>
<tr>
<td>Benzene hexachloride makers</td>
<td>Benzene</td>
</tr>
<tr>
<td>Benzene workers</td>
<td>Benzene</td>
</tr>
<tr>
<td>Bisque-kiln workers</td>
<td>Silica, carbon monoxide</td>
</tr>
<tr>
<td>Blacksmiths</td>
<td>Lead, carbon monoxide</td>
</tr>
<tr>
<td>Blast furnace workers</td>
<td>Sulfur dioxide, carbon monoxide</td>
</tr>
<tr>
<td>Bleaching powder makers</td>
<td>Arsenic</td>
</tr>
<tr>
<td>Blueprinters</td>
<td>Nitrogen dioxide</td>
</tr>
<tr>
<td>Blast furnace gas users</td>
<td>Carbon monoxide</td>
</tr>
<tr>
<td>Blockers (felt hat)</td>
<td>Carbon monoxide</td>
</tr>
<tr>
<td>Boiler makers</td>
<td>Mercury</td>
</tr>
<tr>
<td>Boiler operators</td>
<td>Arsenic</td>
</tr>
<tr>
<td>Boiler water treaters</td>
<td>Sulfur dioxide</td>
</tr>
<tr>
<td>Bone extractors</td>
<td>Sulfur dioxide</td>
</tr>
<tr>
<td>Bookbinders</td>
<td>Arsenic, lead</td>
</tr>
<tr>
<td>Bottle cap makers</td>
<td>Lead</td>
</tr>
<tr>
<td>Boiler rooms</td>
<td>Noise</td>
</tr>
<tr>
<td>Boiler room workers</td>
<td>Carbon monoxide</td>
</tr>
<tr>
<td>Brakelining makers</td>
<td>Benzene, asbestos</td>
</tr>
<tr>
<td>Brass cleaners</td>
<td>Nitrogen dioxide</td>
</tr>
<tr>
<td>Brass founders</td>
<td>Antimony, carbon monoxide</td>
</tr>
<tr>
<td>Brass makers</td>
<td>Arsenic</td>
</tr>
<tr>
<td>Brass polishers</td>
<td>Lead</td>
</tr>
<tr>
<td>Braziers</td>
<td>Lead, nitrogen dioxide</td>
</tr>
<tr>
<td>Brewery workers</td>
<td>Sulfur dioxide</td>
</tr>
<tr>
<td>Brick layers</td>
<td>Lead, silica</td>
</tr>
<tr>
<td>Brick makers</td>
<td>Lead, silica, sulfur dioxide</td>
</tr>
<tr>
<td>Bright dip workers</td>
<td>Nitrogen dioxide</td>
</tr>
<tr>
<td>Britannia metal workers</td>
<td>Antimony</td>
</tr>
<tr>
<td>Bronze cleaners</td>
<td>Nitrogen dioxide</td>
</tr>
<tr>
<td>Bronze makers</td>
<td>Arsenic</td>
</tr>
<tr>
<td>Bronzers</td>
<td>Antimony, arsenic, benzene, lead, mercury</td>
</tr>
<tr>
<td>Broommakers</td>
<td>Sulfur dioxide</td>
</tr>
<tr>
<td>Brush makers</td>
<td>Lead</td>
</tr>
<tr>
<td>Brewers</td>
<td>Carbon monoxide</td>
</tr>
<tr>
<td>Brick burners</td>
<td>Carbon monoxide</td>
</tr>
<tr>
<td>Brickmakers</td>
<td>Sulfur dioxide</td>
</tr>
<tr>
<td>Buffers</td>
<td>Silica</td>
</tr>
</tbody>
</table>
Buhrstone workers  
Burnishers  
Building demolition workers  
Bus drivers  
Cable makers  
Cable splicers  
Cadmium workers  
Calibration instrument makers  
Can makers  
Candle makers  
Canners  
Cap loaders, percussion  
Carbolic acid makers  
Carbon brush makers  
Carborundum makers  
Carders, cotton mill  
Carding machine operators, cotton mill  
Carpet makers  
Carroters, felt hat  
Cartridge makers  
Cast scrubbers, electroplating  
Casting cleaners, foundry  
Cattle dip workers  
Caustic soda makers  
Carbide makers  
Carbon monoxide workers  
Carders (asbestos)  
Caulking compound makers  
Caulking compound users  
Celluloid makers  
Cellulose makers  
Cement makers  
Cement mixers  
Ceramic enamel workers  
Ceramic makers  
Ceramic workers  
Cellulose makers  
Chemical equipment makers  
Chemical glass makers  
Chemical synthesis  
Chippers  
Chlorinated paraffin makers  

Silica  
Antimony, benzene  
Asbestos  
Carbon monoxide  
Lead  
Antimony, lead, carbon monoxide  
Arsenic  
Mercury  
Benzene  
Arsenic  
Arsenic, lead  
Mercury  
Benzene, sulfur dioxide  
Mercury  
Silica  
Cotton dust  
Cotton dust  
Arsenic  
Arsenic  
Lead  
Benzene  
Silica  
Arsenic  
Mercury  
Carbon monoxide  
Carbon monoxide  
Asbestos  
Asbestos lead  
Asbestos lead  
Nitrogen dioxide  
Sulfur dioxide  
Silica  
Silica  
Arsenic  
Antimony, arsenic, lead  
Silica, mercury  
Sulfur dioxide  
Lead  
Silica  
Benzene  
Lead, silica  
Lead
Chlorine makers
Chlorobenzene makers
Chlorobenzene makers
Chlorodiphenyl makers
Charcoal burners
Chauffeurs
Chemical products
   manufacture
Chimney masons
Chimney sweepers
Cigar makers
Cinnebar ore processors
Cleaner operators,
   cotton mill
Cleaner, cotton mill
Clutch disc impregnators
Clutch facing makers
Coke oven tar chaser
Coke oven workers

Combing machine operators,
   cotton mill
Compositors
Construction workers
Copper cleaners
Copper refiners
Copper smelters
Cosmetics makers
Cotton bleachers
Coal miners
Coal tar refiners
Coal tar workers
Cobblers
Coke oven door cleaners,
   lutaner
Coke oven door machine
   operators
Coke oven larry car operators
Coke oven liden, larrymen
Coke oven maintenance
   men
Coke oven patcher
Coke oven pusher operators
Mercury
Mercury
Benzene
Benzene
Carbon monoxide
Carbon monoxide
Noise
Carbon monoxide
Carbon monoxide
Lead
Mercury
Cotton dust
Cotton dust
Benzene
Asbestos
Coke oven emissions
Benzene, coke oven emissions,
   sulfur dioxide, carbon
   monoxide
Antimony
Silica, asbestos, noise
Nitrogen dioxide
Antimony
Arsenic, sulfur dioxide
Silica
Nitrogen dioxide
Silica
Benzene
Benzene
Coke oven emissions
Coke oven emissions
Coke oven emissions
Coke oven emissions
Coke oven emissions
Coke oven emissions
Coke oven emissions
Coke oven emissions
Coke oven emissions
Coke oven emissions
223
Coke oven quench car operators
Coal distillers
Cobblers (asbestos)
Coke oven workers

Colored glass maker
Compressed air workers
Corrugated paper manufacture
Crop dusters
Crushers (asbestos)
Cutlery makers
Cupola workers
Cyclohexane makers
Decorators, pottery
Defoliant applicators
Defoliant makers
Degreasers
Demolition workers
Dental amalgam makers
Dental technicians
Dental workers
Dentists
Detergent makers
Diamond polishers
Diatomaceous earth calciners
Dichlorobenzene makers
Diesel equipment operators
Diesel engine operators

Diesel engine repairmen
Dimethysulfate makers
Diethylaminoethyl makers
Direct current meter workers
Disinfectant makers

Disinfectors
Dippers (acid)
Divers
Dock workers
Drawing frame operators, cotton mill
Drug makers

Coke oven emissions
Carbon monoxide
Asbestos
Benzene, carbon monoxide, sulfur dioxide
Chronic acid
Carbon monoxide
Noise

Arsenic, lead
Asbestos
Lead, silica
Carbon monoxide
Benzene
Lead
Arsenic
Arsenic
Benzene
Lead, noise
Mercury
Lead
Nitrogen dioxide
Mercury, nitrogen dioxide
Benzene
Lead
Silica

Benzene
Nitrogen dioxide
Sulfur dioxide, carbon monoxide
Sulfur dioxide
Arsenic
Benzene
Mercury
Arsenic, benzene, mercury, sulfur dioxide
Mercury, sulfur dioxide
Chronic acid
Carbon monoxide
Carbon monoxide
Cotton dust
Arsenic, benzene, mercury
Dry cleaners
Dryer operators, cotton mill
Drier workers
Dye makers

Dyers
DDT makers
Earth moving equipment operators
Electric apparatus makers
Electric arc welders
Electrolytic copper workers
Electronic device makers
Electronic equipment makers
Electroplaters

Electrotypers
Electrical equipment manufacture
Embalmers
Embroidery workers
Emery wheel makers
Enamel burners
Enamel makers
Enamelers

Engravers
Enamellers
Engine rooms
Etchers
Ethylbenzene makers
Explosive makers
Explosives users
Exterminators
Farm workers

Farmers

Fabricated metal product manufacture
Feather workers

Benzene
Cotton dust
Carbon monoxide
Antimony, arsenic, benzene, lead, mercury, nitrogen dioxide, sulfur dioxide

Lead
Benzene
Noise

Mercury
Nitrogen dioxide
Arsenic
Lead
Silica
Antimony, arsenic, benzene, lead, mercury, nitrogen dioxide

Lead
Noise

Mercury
Lead
Lead, silica
Lead
Arsenic, lead
Arsenic, benzene, lead, silica, carbon monoxide

Benzene
Silica
Noise
Arsenic, nitrogen dioxide
Benzene
Antimony, benzene, lead, mercury, nitrogen dioxide
Nitrogen dioxide
Arsenic, sulfur dioxide
Arsenic, lead, mercury, nitrogen dioxide, silica
Arsenic, lead, mercury, nitrogen dioxide, silica
Noise

Arsenic, benzene, sulfur dioxide
Feltmakers
Ferrosilicon workers
Fertilizer makers

Fettlers
File cutters
Fingerprint detectors
Firemen

Fireworks makers
Fiberizers (asbestos)
Fireproofers
Fischer-Tropsch process workers
Flameproofers
Flint workers
Flour bleachers

Flower makers, artificial
Flue cleaners
Flypaper makers
Food bleachers

Foundry workers

Formaldehyde makers
Foundries
Foundry workers (core making)

Fruit preservers
Fruit bleachers
Fuel oil handlers
Fumigant makers
Fumigators
Fungicide makers
Fur preservers
Fur processors
Furnace liners
Furnace operators
Furniture finishers
Fused quartz workers
Furnace filter makers
Furnace starters
Furnace workers

Mercury
Arsenic
Arsenic, nitrogen dioxide, silica, sulfur dioxide
Silica
Lead
Mercury
Lead, nitrogen dioxide, sulfur dioxide, asbestos, carbon monoxide
Antimony, arsenic, mercury
Asbestos
Asbestos
Carbon monoxide

Antimony
Silica
Nitrogen dioxide, sulfur dioxide
Lead
Sulfur dioxide
Arsenic
Nitrogen dioxide, sulfur dioxide
Antimony, lead, silica, sulfur dioxide
Carbon monoxide
Noise
Tol. Diisocyanate

Sulfur dioxide
Sulfur dioxide
Benzene
Benzene, sulfur dioxide
Sulfur dioxide
Benzene, mercury
Mercury
Mercury
Silica
Sulfur dioxide
Benzene
Silica
Asbestos
Carbon monoxide
Carbon monoxide
Furniture workers
Furniture manufacture
Galvanizers
Garage mechanics

Gas shrinking operators
Gas welders
Gas workers, illumination
Gas station attendants
Gasket makers
Gasoline engine testers
Gelatin bleachers
Gin stand operators, cotton gin
Ginners
Glass blowers
Glass makers

Glass polishers
Glaze dippers, pottery
Glaze mixers, pottery
Glost-kiln workers
Glue bleachers
Glue makers
Glass manufacture
Gold extractors
Gold refiners
Grain bleachers
Granite cutters
Granite workers
Grinders, cotton mill
Grinding wheel makers
Grindstone workers
Gun barrel browning
Hair remover makers
Hairdressers
Handpickers, cotton
Hard rock miners
Hatters
Heat treaters
Heat treaters, magnesium
Herbicide makers
Heat resistant clothing makers

Carbon monoxide
Noise
Arsenic, lead, sulfur dioxide
Lead, carbon monoxide, nitrogen dioxide, sulfur dioxide
Nitrogen dioxide
Nitrogen dioxide
Benzene, carbon monoxide
Carbon monoxide, lead
Asbestos
Carbon monoxide
Sulfur dioxide
Cotton dust

Cotton dust
Nitrogen dioxide
Antimony, arsenic, lead, silica, sulfur dioxide
Lead
Antimony
Silica
Lead
Sulfur dioxide
Benzene
Noise
Arsenic, mercury
Antimony, arsenic, lead
Sulfur dioxide
Silica
Silica
Cotton dust
Silica
Silica
Lead
Arsenic
Benzene
Cotton dust
Silica
Mercury
Nitrogen dioxide
Sulfur dioxide
Arsenic, benzene
Asbestos
Heat treaters
Hide preservers
Histology technicians
Hydrochloric acid workers
Ice makers
Illuminating gas workers
Ink makers
Insecticide makers

Insecticide users
Insulators
Insulators, wire
Investment casting workers
Incandescent lamp makers
Inert filter media workers
Insulation workers
Iron workers
Ironing board cover makers
Isocyanate resin workers
Japan makers
Japanners
Jet fuel makers
Jewelers
Jewelry makers

Junk metal refiners
Jute workers
Kiln liners
Kraft recovery furnace workers
Labelers, paint can
Laboratory workers, chemical

Lacquer makers
Lake color makers
Lamp makers, fluorescent
Lamp makers, mercury arc
Laboratory hood installers
Lacquer workers
Laggers
Laundry workers

Carbon monoxide
Arsenic
Benzene, mercury
Benzene
Arsenic, sulfur dioxide
Arsenic
Arsenic, benzene, lead, mercury
Antimony, arsenic, benzene, lead, mercury, silica, sulfur dioxide
Lead
Silica
Antimony
Mercury

Lead
Asbestos
Asbestos, Tol. Diisocyanate
Carbon monoxide
Asbestos

Tol. diisocyanate
Arsenic, lead
Arsenic, lead
Nitrogen dioxide
Arsenic, lead, mercury, silica
Arsenic, lead, mercury, nitrogen dioxide, silica
Lead
Silica
Silica
Carbon monoxide

Lead
Antimony, arsenic, benzene, lead, mercury, nitrogen dioxide, silica, sulfur dioxide
Benzene, lead, nitrogen dioxide
Antimony
Mercury
Mercury
Asbestos
Tol. diisocyanate
Asbestos
Carbon monoxide
<table>
<thead>
<tr>
<th>Occupation</th>
<th>Hazardous Substances</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead burners</td>
<td>Antimony, arsenic, lead</td>
</tr>
<tr>
<td>Lead counterweight makers</td>
<td>Lead</td>
</tr>
<tr>
<td>Lead flooring makers</td>
<td>Lead</td>
</tr>
<tr>
<td>Lead foil makers</td>
<td>Antimony, lead</td>
</tr>
<tr>
<td>Lead hardeners</td>
<td>Lead</td>
</tr>
<tr>
<td>Lead mill workers</td>
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<td>Manometer makers</td>
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<td>Masons</td>
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Metal burners
Metal burnishers
Metal cleaners
Metal cutters
Metal grinders
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Metal refiners
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Mine workers
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Mining open pit
Mining underground
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Mordanters

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Mono process workers
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Nitrite workers
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Nitrocellulose workers
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Noise
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Carbon monoxide
Carbon monoxide
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Oxidized cellulose compound makers
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Painters

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Paper makers

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Perfume makers
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Carbon monoxide
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Nitrogen dioxide
Tol. diisocyanate
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Nitrogen dioxide

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Petroleum refinery workers
Pewter workers
Petroleum refinery workers
Petroleum refining
Pharmaceutical workers

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Phosphor makers
Phosphoric acid makers
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Photographic chemical makers
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Picric acid makers
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Plastic workers
Plumbers
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Plastic products manufacture
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Plasticizer workers
Plastic workers
Plastic makers
Policemen
Polish makers
Polishing soap makers
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Pottery glaze dippers
Pottery glaze mixers
Pottery workers

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Arsenic, lead
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Noise

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Tol. diisocyanate
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Oxidized cellulose compound makers
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Petroleum refinery workers
Petroleum refining
Pharmaceutical workers

Phenol makers
Phosphor makers

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Tol. diisocyanate
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Antimony, arsenic, benzene, nitrogen dioxide, carbon monoxide, tol. diisocyanate
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Noise
Nitrogen dioxide, carbon monoxide
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Antimony, arsenic, benzene, lead, mercury, sulfur dioxide, asbestos
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Antimony, arsenic, benzene, lead
Arsenic, lead
Arsenic, mercury, sulfur dioxide
Benzene
Lead, carbon monoxide
Antimony, arsenic
Noise
Noise
Lead
Benzene
Mercury
Antimony, benzene
Mercury
Benzene
Arsenic, benzene, sulfur dioxide
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Antimony, arsenic, benzene, mercury, nitrogen dioxide, silica, sulfur dioxide
Benzene
Antimony
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Protein makers, industrial
Primary metal processing
Printing
Printers
Producer gas workers
Pulpstone workers
Putty makers
Pump packing makers
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Pyrotechnics workers
Pyroxylin-plastics workers
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Rock drillers
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Rotogravure printers
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Sealing wax makers
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Semiconductor compound makers
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Sewer workers
Sheep dip workers
Sheet metal workers
Shellac makers
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Shoe factory workers
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Silica
Silica
Silica
Silica
Silica
Silica
Silica
Nitrogen dioxide
Arsenic
Lead, asbestos
Benzene
Cotton dust

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Benzene, lead, silica
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Antimony, benzene, lead
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Antimony, lead
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Lead
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Benzene
Benzene

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Shot makers  
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Soda makers  
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Sodium sulfite makers  
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Solder makers  
Solderers  

Solvent makers  
Solder makers  
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Spooling operators, cotton mill  
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Stain makers  
Stainers  
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Stereotypers  
Stibnite miners  
Stone bedrubbers

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Asbestos  
Tol. diisocyanate  
Tol. diisocyanate  
Asbestos  
Asbestos  
Noise  
Lead  
Lead, mercury  
Silica  
Silica  
Silica  
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Nitrogen dioxide  
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Silica  
Lead

Silica, lead, antimony, arsenic  
Benzene  
Arsenic  
Silica  
Sulfur dioxide  
Arsenic  
Antimony, lead  
Antimony, arsenic, lead, carbon monoxide  
Benzene  
Antimony, lead  
Silica  
Cotton dust  
Cotton dust  
Cotton dust  
Asbestos  
Benzene  
Benzene  
Lead  
Antimony, lead  
Antimony  
Silica
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Antimony, arsenic, lead
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