

KNOWN CARCINOGENS AND CANCER SITES

Exposure agent	cancer site
Aflatoxins	
Alcoholic Beverage Consumption	
Aluminium Reduction	Bladder, Lung, Skin
4-Amino Biphenyl	
Analgesic mixtures containing Phenacetin	
Arsenic Compounds, Inorganic	Lung, Skin, Bladder
Arsenic	Lung, Skin, Bladder
Asbestos	Mesothelium (Pleura/Pericardium, Peritoneum), Lung
Azathioprine	
Benzene	Leukaemia
Benzidine	
Beryllium and Beryllium Compounds	
1, 3-Butadiene	
1, 4-Butanediol Dimethanesulfonate	
Cadmium and Cadmium Compounds	
Chloram Bucil	
1-(2-Chlorethyl)-3-(4-Methylcyclohexyl)-1-Nitrosourea (MeCCNU)	
bis (Chloromethyl) Ether and Technical-Grade Chloromethyl Methyl Ether	
Chromium Hexavalent Compounds	Lung
Chromium	Lung
Coal Gas/Coke Production	Lung, Kidney
Coltars and Coltar Pitch Volatiles	Larynx, Lung
Coke Oven Omissions (Coal Gas/Coke Production)	Lung, Kidney
Cyclophosphamide	
CyclosporinA	
Diethylstilbestrol	
Dyes Metabolised to Benzidine	
Smoking and Environmental (Passive) Tobacco Smoke	Lung
Eroinite	
Estrogens, Steroidal	
Ethylene Oxide	
Furniture/Cabinet Making	Sinonasal Epithelium
Hepatitis B Virus	
Hepatitis C Virus	
Human Papillomas Viruses (some Genital Mucosal types)	
Inorganic Acids	Larynx, Lung
Iron and Steel Founding	Lung
Melphalan	
Methoxsalen with Ultraviolet A Therapy (PUVA)	

Mineral Oils (untreated and mildly treated)	Bladder
Mustard Gas	
2-Naphthylamine	
Neutrons (Ionising Radiation)	
Nickel Compounds and Metallic Nickel	Sinonasal Epithelium, Lung
Painting	Lung, Leukaemia's
Radon (Ionising Radiation)	Lung
Rubber Industry	Various
Shoe Manufacturing/Repair	Nasal Epithelium
Silica (Crystalline, Respirable Size)	Lung
Solar Radiation (Ultra Violet Radiation) – including sun and welding exposures	Skin
Soots	
Strong Inorganic Acid Mist containing Sulphuric Acid	
Sun Lamps or Sun Beds	Skin
Tamoxifen	
2, 3, 7, 8 – Tetrachlorodibenzo – P – Dioxin	
Thiotepa	
Thorium Dioxide (Ionising Radiation)	
Vinyl Chloride	
Wood Dust	Sinonasal Epithelium
X Radiation and Gamma Radiation (Ionising Radiation)	

References:

Occupational Cancer – A Guide to Prevention, Assessment in Investigation, Australasian Faculty Report on Carcinogens, 11th Edition; US Department of Health and Human Services, Public Hea

7 of Occupational Medicine

1th Service, National Toxicology Program