

## What's in Cigarette Smoke?

There are over 4,000 identified chemicals in cigarette smoke. Listed here are 109 of the more toxic chemicals. Those proven to cause **cancer** are in **boldface** type. Those proven to cause *birth defects* are in *italic* type.

### A

Acetaldehyde  
*Acetic Acid*  
*Acetone*  
 Acetylene  
 Acrolein  
**Acrylonitrile**  
 Aluminum  
**Aminobiphenyl**  
*Ammonia*  
 Anabasine  
 Anatabine  
 Aniline  
 Anthracenes  
 Argon  
**Arsenic**

### B

**Benz(a)anthracene**  
**Benzene**  
**Benzo(a)pyrene**  
**Benzo(b)fluoranthene**  
**Benzo(j)fluoranthene**  
**Butadiene**  
*Butane*

### C

**Cadmium**  
 Campesterol  
*Carbon Monoxide*  
 Carbon Sulfide  
 Catechol  
**Chromium**  
**Chrysene**  
*Copper*  
**Crotonaldehyde**  
 Cyclotenes

### D

*DDT/Dieldrin*  
**Dibenz(a,h)acridine**  
**Dibenz(a,h)anthracene**  
**Dibenz(a,j)acridine**  
**Dibenzo(a,l)pyrene**  
**Dibenzo(c,g)carbazole**  
**Dimethylhydrazine**

### E

*Ethanol*  
**Ethylcarbamate**

### F

Fluoranthenes  
 Fluorenes  
**Formaldehyde**  
 Formic Acid  
 Furan

### G

Glycerol

### H

*Hexamine*  
**Hydrazine**  
*Hydrogen cyanide*  
 Hydrogen sulfide

### I

**Indeno(1,2,3-c,d)pyrene**  
 Indole  
 Isoprene

### L

**Lead**  
 Limonine  
 Linoleic Acid  
 Linolenic Acid

### M

*Magnesium*  
*Mercury*  
*Methane*  
*Methanol*  
 Methyl formate  
**Methylamineethylchrysene**  
 Methylamine  
 Methylnitrosamino  
 Methylpyrrolidine

### N

n-Nitrosoanabasine  
 n-Nitrosodiethanolamine  
 n-Nitrosodiethylamine  
 n-nitrosodimethylamine  
 n-Nitrosoethyl methylamine  
**n-Nitrosomorpholine**

### n-Nitrosopyrrolidine

*Naphthalene*  
**Naphthylamine**  
 Neophytadienes  
**Nickel**  
*Nicotine*  
 Nitric Oxide  
*Nitrobenzene*  
**Nitropropane**  
**Nitrosamines**  
**Nitrosomonicotine**  
*Nitrous oxide phenols*  
 Nomicotine

### P

Palmitic acid  
 Phenanthrenes  
 Phenol  
 Picolines  
**Polonium-210**  
 Propionic acid  
 Pyrenes  
 Pyrrolidine

### Q

**Quinoline**  
 Quinones

### S

Scopoletin  
 Sitosterol  
 Skatole  
 Solanesol  
*Stearic acid*  
 Stigmasterol  
*Styrene*

### T

*Titanium*  
*Toluene*  
**Toluidine**

### U

Urethane

### V

*Vinyl Chloride*  
 Vinylpyridine