

OSHA Substance-Specific Laboratory Air Standards

**Action Levels and PELs for substances  
Listed in 29 CFR 1910.1001 through 1910.1052**

SUBSTANCE	Action Level	Permissible Exposure Limit	Substance Specific Standard
4-nitrobiphenyl	-	-	<a href="#">29 CFR 1910.1003</a>
Alpha-naphthylamine	-	-	<a href="#">29 CFR 1910.1003</a> , <a href="#">29 CFR 1910.1004</a>
Methyl chloromethyl ether	-	-	<a href="#">29 CFR 1910.1003</a> , <a href="#">29 CFR 1910.1006</a>
3,3-dichlorobenzidine	-	-	<a href="#">29 CFR 1910.1003</a> , <a href="#">29 CFR 1910.1007</a>
Bis-chloromethyl ether	-	1 ppb	<a href="#">29 CFR 1910.1003</a> , <a href="#">29 CFR 1910.1008</a>
Beta-naphthylamine	-	-	<a href="#">29 CFR 1910.1003</a> , <a href="#">29 CFR 1910.1009</a>
benzidine	-	-	<a href="#">29 CFR 1910.1003</a> , <a href="#">29 CFR 1910.1010</a>
4-aminodiphenyl	-	-	<a href="#">29 CFR 1910.1003</a> , <a href="#">29 CFR 1910.1011</a>
Ethyleneimine	-	0.5 ppm	<a href="#">29 CFR 1910.1003</a> , <a href="#">29 CFR 1910.1012</a>
Beta-propiolactone	-	0.5 ppm	<a href="#">29 CFR 1910.1003</a> , <a href="#">29 CFR 1910.1013</a>
2-acetylaminofluorene	-	-	<a href="#">29 CFR 1910.1003</a> , <a href="#">29 CFR 1910.1014</a>
4-dimethylaminoazobenzene	-	-	<a href="#">29 CFR 1910.1003</a> , <a href="#">29 CFR 1910.1015</a>
N-nitrosodimethylamine	-	-	<a href="#">29 CFR 1910.1003</a> , <a href="#">29 CFR 1910.1016</a>
Vinyl Chloride	0.5 ppm	1 ppm	<a href="#">29 CFR 1910.1017</a>
Arsenic, inorganic	5 ug/m3	10 ug/m3	<a href="#">29 CFR 1910.1018</a>
Lead (metallic lead, dust or vapor, inorganic lead compounds, and lead soaps)	30 uG/m3	50 ug/m3	<a href="#">29 CFR 1910.1025</a>
Chromium (VI)	2.5 ug/m3	5 ug/m3	<a href="#">29 CFR 1910.1026</a>
Cadmium	2.5 ug/m3	5 ug/m3	<a href="#">29 CFR 1910.1027</a>
Benzene	0.5 ppm	1 ppm	<a href="#">29 CFR 1910.1028</a>
1,2-dibromo-3-chloropropane	-	1 ppb	<a href="#">29 CFR 1910.1044</a>
Acrylonitrile	1 ppm	2 ppm	<a href="#">29 CFR 1910.1045</a>
Ethylene oxide	0.5 ppm	1 ppm	<a href="#">29 CFR 1910.1047</a>
Formaldehyde	0.5 ppm	0.75 ppm	<a href="#">29 CFR 1910.1048</a>
Methylenedianiline	5 ppb	10 ppb	<a href="#">29 CFR 1910.1050</a>
1,3-Butadiene	0.5 ppm	-	<a href="#">29 CFR 1910.1051</a>
Methylene Chloride	12.5 ppm	25 ppm	<a href="#">29 CFR 1910.1052</a>

**Additional OSHA Substance-Specific Standards**

SUBSTANCE	Action Level	Permissible Exposure Limit	Substance Specific Standard
Asbestos	-	0.1 Fiber/cc	<a href="#">29 CFR 1910.1001</a>
Coal tar pitch volatiles	-	0.2 mg/m3	<a href="#">29 CFR 1910.1002</a>
Coke oven emissions	-	0.15 mg/m3	<a href="#">29 CFR 1910.1029</a>
Cotton dust, raw	-	1.0 mg/m3	<a href="#">29 CFR 1910.1043</a>