

Fuel or Chemical	Autoignition Temperature	
	(°C)	(°F)
Acetaldehyde	175	347
Acetic acid	427	801
Acetone, propanone	465	869
Acetylene	305	581
Anthracite - glow point	600	1112
Benzene	560	1040
Bituminous coal - glow point	454	850
Butane	405	761
Butyl acetate	421	790
Butyl alcohol	345	653
Butyl methyl ketone	423	793
Carbon	700	1292
Carbon disulfide, CS ₂	90	194
Carbon monoxide	609	1128
Charcoal	349	660
Coal-tar oil	580	1076
Coke	700	1292
Cyclohexane	245	473
Cyclohexanol	300	572
Cyclohexanone	420	788
Dichloromethane	600	1112
Diethylamine	312	594
Diethylether	160	320
Diethanolamine	662	1224
Diesel, Jet A-1	210	410
Diisobutyl ketone	396	745
Diisopropyl ether	443	829
Dimethyl sulphoxide	215	419
Dodecane, dihexyl	203	397
Epichlorohydrin	416	781
Ethane	515	959
Ethylene. ethene	490	914
Ethyl acetate	410	770
Ethyl Alcohol, Ethanol	365	689
Fuel Oil No.1	210	410
Fuel Oil No.2	256	494
Fuel Oil No.4	262	505
Furfural	316	601
Heavy hydrocarbons	750	1382
Heptane	204	399

Fuel or Chemical	Autoignition Temperature	
	(°C)	(°F)
Hexane	223	433
Hexadecane, cetane	202	396
Hydrogen	500	932
Gas oil	336	637
Gasoline, Petrol	246 - 280	475 - 536
Glycerol	370	698
Gun Cotton	221	430
Kerosene	295	563
Isobutane	462	864
Isobutene	465	869
Isobutyl alcohol	426	799
Isooctane	447	837
Isopentane	420	788
Isopropyl alcohol	399	750
Isophorone	460	860
Isohexane	264	507
Isononane	227	440
Isopropyl Alcohol	399	750
Light gas	600	1112
Light hydrocarbons	650	1202
Lignite - glow point	526	979
Magnesium	473	883
Methane (Natural Gas)	580	1076
Methanol, Methyl Alcohol	470	878
Methyl acetate	455	851
Methyl ethyl ketone	516	961
Naphtha	225	437
Neoheaxane	425	797
Neopentane	450	842
Nitrobenzene	482	
Nitro-glycerine	254	490
n-Butane	405	761
n-Heptane	215	419
n-Hexane	225	437
n-Octane	220	428
n-Pentane	260	500
n-Pentene	298	569
Oak Wood - dry	482	900
Paper	218 - 246	424 - 475
Peat	227	440

Fuel or Chemical	Autoignition Temperature	
	(°C)	(°F)
Petroleum	400	752
Pine Wood - dry	427	800
Phosphorus, amorphous	260	500
Phosphorus, transparent	49	120
Phosphorus, white	34	93
Production gas	750	1382
Propane	470	878
Propyl acetate	450	842
Propylene, propene	458	856
Pyridine	482	900
p-Xylene	530	986
Rifle Powder	288	550
Triethylborane	-20	-4
Toluene	535	995
Semi anthracite coal	400	752
Semi bituminous coal - glow point	527	980
Silane	< 21	< 70
Styrene	490	914
Sulphur	243	470
Tetrahydrofuran	321	610
Toluene	530	986
Trichloroethylene	420	788
Wood	300	572
Xylene	463	867