ENTHALPY OF FUSION

This table lists the molar enthalpy (heat) of fusion, $\Delta_{fus}H$, of over 800 inorganic and organic compounds. All values refer to the enthalpy change at equilibrium between the liquid phase and the most stable solid phase at the transition temperature. Most values of $\Delta_{fus}H$ are given at the normal melting point t_m. However, a "t" following the entry in the melting point column indicate a triple-point temperature, where the solid, liquid, and gas phases are in equilibrium. Substances are listed by molecular formula in the Hill order, with substances containing carbon (except graphite) following those that do not contain carbon.

All temperatures are given on the ITS-90 scale.

A * following an entry indicates that the value includes the enthalpy of transition between crystalline phases whose transformation occurs within 1˚C of the melting point.

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Molecular formula	Name	t_m/˚C	$\Delta_{fus}H$/kJ mol^{-1}
Ag	Silver	961.78	11.28
AgBr	Silver(I) bromide	432	9.12
AgCl	Silver(I) chloride	455	13.2
AgI	Silver(I) iodide	558	9.41
$AgNO_3$	Silver(I) nitrate	212	11.5
Ag_2S	Silver(I) sulfide	825	14.1
Al	Aluminum	660.32	10.789
$AlBr_3$	Aluminum bromide	97.5	11.25
$AlCl_3$	Aluminum chloride	192.6	35.4
AlF_3	Aluminum fluoride	2250 t	98
AlI_3	Aluminum iodide	188.28	15.9
Al_2O_3	Aluminum oxide	2053	111.4
Al_2S_3	Aluminum sulfide	1100	55
Am	Americium	1176	14.39
Ar	Argon	-189.36 t	1.18
As	Arsenic (gray)	817 t	24.44
$AsBr_3$	Arsenic(III) bromide	31.1	11.7
$AsCl_3$	Arsenic(III) chloride	-16	10.1
AsF_3	Arsenic(III) fluoride	-5.9	10.4
Au	Gold	1064.18	12.72
B	Boron	2075	50.2
BCl_3	Boron trichloride	-107	2.10
BF_3	Boron trifluoride	-126.8	4.20
BHO_2	Metaboric acid (<gamma> form)	236	14.3
BH_3O_3	Boric acid (orthoboric acid)	170.9	22.3
BN	Boron nitride	2966	81

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ENTHALPY OF FUSION (continued)

Molecular formula	Name	t_m/°C	$\Delta_{fus}H$/kJ mol^{-1}
$BNaO_2$	Sodium metaborate	966	36.2
B_2O_3	Boron oxide	450	24.56
Ba	Barium	727	7.12
$BaBr_2$	Barium bromide	857	32.2
$BaCl_2$	Barium chloride	962	15.85
BaF_2	Barium fluoride	1368	17.8
BaH_2	Barium hydride	1200	25
BaH_2O_2	Barium hydroxide	408	16
BaI_2	Barium iodide	711	26.5
BaO	Barium oxide	1972	46
BaO_4S	Barium sulfate	1580	40
BaS	Barium sulfide	2229	63
Be	Beryllium	1287	7.895
$BeBr_2$	Beryllium bromide	508	18
$BeCl_2$	Beryllium chloride	415	8.66
BeF_2	Beryllium fluoride	552	4.77
BeI_2	Beryllium iodide	470	18
BeO	Beryllium oxide	2577	86
BeO_4S	Beryllium sulfate	1127	6
Bi	Bismuth	271.40	11.145
$BiCl_3$	Bismuth trichloride	230	10.9
BrF_5	Bromine pentafluoride	-60.5	5.67
BrH	Hydrogen bromide	-86.80	2.41
BrIn	Indium(I) bromide	290	15
BrK	Potassium bromide	734	25.5
BrLi	Lithium bromide	552	17.6
BrNa	Sodium bromide	747	26.11
$BrNaO_3$	Sodium bromate	381	28.11
BrRb	Rubidium bromide	682	15.5
BrTl	Thallium(I) bromide	460	16.4
Br_2	Bromine	-7.2	10.57
Br_2Ca	Calcium bromide	742	29.1
Br_2Cd	Cadmium bromide	568	20.9
Br_2Fe	Iron(II) bromide	691	50.2
Br_2Hg	Mercury(II) bromide	236	17.9
Br_2Mg	Magnesium bromide	711	39.3
Br_2Pb	Lead(II) bromide	371	16.44
Br_2Sr	Strontium bromide	657	10.1
Br_2Zn	Zinc bromide	394	16.7
Br_3Ga	Gallium(III) bromide	121.5	12.1
Br_3In	Indium(III) bromide	420	26
Br_3Pu	Plutonium(III) bromide	681	55.2
Br_3U	Uranium(III) bromide	727	43.9
Br_4Sn	Tin(IV) bromide	29.1	12.2
Br_4Th	Thorium(IV) bromide	679	66.9
Br_4Ti	Titanium(IV) bromide	39	12.9
Br_4U	Uranium(IV) bromide	519	55.2
Br_5Ta	Tantalum(V) bromide	265	45.6
C	Carbon (graphite)	4489 t	117
Ca	Calcium	842	8.54
$CaCl_2$	Calcium chloride	775	28.05
CaF_2	Calcium fluoride	1418	30
CaH_2	Calcium hydride	1000	6.7
CaI_2	Calcium iodide	783	41.8
CaO	Calcium oxide	2898	80
CaO_4S	Calcium sulfate	1460	28
CaS	Calcium sulfide	2524	70
Cd	Cadmium	321.07	6.21

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ENTHALPY OF FUSION (continued)

Molecular formula	Name	t_m/°C	$\Delta_{fus}H$/kJ mol^{-1}
$CdCl_2$	Cadmium chloride	564	48.58
CdF_2	Cadmium fluoride	1110	22.6
CdI_2	Cadmium iodide	387	15.3
Ce	Cerium	798	5.46
$CeCl_3$	Cerium(III) chloride	817	54.4
ClCs	Cesium chloride	645	15.9
ClCu	Copper(I) chloride	430	10.2
ClH	Hydrogen chloride	-114.17	2.00
ClI	Iodine chloride	27.39	11.6
ClIn	Indium(I) chloride	211	21.3
ClK	Potassium chloride	771	26.53
ClLi	Lithium chloride	610	19.9
$ClLiO_4$	Lithium perchlorate	236	29
ClNa	Sodium chloride	800.7	28.16
$ClNaO_3$	Sodium chlorate	248	22.1
ClRb	Rubidium chloride	715	18.4
ClTl	Thallium(I) chloride	430	15.56
Cl_2	Chlorine	-101.5	6.40
Cl_2Co	Cobalt(II) chloride	740	45
Cl_2Cr	Chromium(II) chloride	814	32.2
Cl_2Cu	Copper(II) chloride	630	20.4
Cl_2Fe	Iron(II) chloride	677	43.01
Cl_2Hg	Mercury(II) chloride	276	19.41
Cl_2Mg	Magnesium chloride	714	43.1
Cl_2Mn	Manganese(II) chloride	650	30.7
Cl_2Ni	Nickel(II) chloride	1009	71.2
Cl_2Pb	Lead(II) chloride	501	21.75
Cl_2Sn	Tin(II) chloride	247.1	14.52
Cl_2Sr	Strontium chloride	874	17.5
Cl_3Fe	Iron(III) chloride	304	43.1
Cl_3Ga	Gallium(III) chloride	77.9	11.13
Cl_3In	Indium(III) chloride	583	27
Cl_3La	Lanthanum chloride	859	43.1
Cl_3OP	Phosphorus(V) oxychloride	1.18	13.1
Cl_3P	Phosphorus(III) chloride	-112	7.10
Cl_3Sb	Antimony(III) chloride	73.4	12.7
Cl_4OW	Tungsten(VI) oxytetrachloride	211	45
Cl_4Si	Tetrachlorosilane	-68.74	7.60
Cl_4Sn	Tin(IV) chloride	-34.07	9.20
Cl_4Th	Thorium(IV) chloride	770	40.2
Cl_4Ti	Titanium(IV) chloride	-24.12	9.97
Cl_4U	Uranium(IV) chloride	590	45
Cl_4V	Vanadium(IV) chloride	-25.7	2.30
Cl_4Zr	Zirconium(IV) chloride	437 t	50
Cl_5Mo	Molybdenum(V) chloride	194	19
Cl_5Nb	Niobium(V) chloride	204.7	38.3
Cl_5Ta	Tantalum(V) chloride	216	41.6
Cl_6W	Tungsten(VI) chloride	275	6.60
Co	Cobalt	1495	16.06
CoF_2	Cobalt(II) fluoride	1127	59
Cr	Chromium	1907	21.0
Cr_2O_3	Chromium(III) oxide	2329	130
Cs	Cesium	28.5	2.09
CsF	Cesium fluoride	703	21.7
CsHO	Cesium hydroxide	342.3	7.78
Cs_2O_4S	Cesium sulfate	1005	35.7
Cu	Copper	1084.62	12.93
CuF_2	Copper(II) fluoride	836	55

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ENTHALPY OF FUSION (continued)

Molecular formula	Name	t_m/°C	$\Delta_{fus}H$/kJ mol^{-1}
CuO	Copper(II) oxide	1446	11.8
Dy	Dysprosium	1412	11.06
Er	Erbium	1529	19.9
Eu	Europium	822	9.21
FH	Hydrogen fluoride	-83.35	4.58
FK	Potassium fluoride	858	27.2
FLi	Lithium fluoride	848.2	27.09
FNa	Sodium fluoride	996	33.35
FRb	Rubidium fluoride	833	17.3
FTl	Thallium(I) fluoride	326	13.87
F_2	Fluorine	-219.66	0.51
F_2Fe	Iron(II) fluoride	1100	52
F_2HK	Potassium hydrogen fluoride	238.9	6.62
F_2Mg	Magnesium fluoride	1263	58.5
F_2Pb	Lead(II) fluoride	830	14.7
F_2Sr	Strontium fluoride	1477	28.5
F_3In	Indium(III) fluoride	1170	64
F_3Pu	Plutonium(III) fluoride	1396	59.8
F_4Pu	Plutonium(IV) fluoride	1027	65.3
F_4Th	Thorium(IV) fluoride	1110	44.0
F_4U	Uranium(IV) fluoride	1036	42.7
F_4Zr	Zirconium(IV) fluoride	932 t	64.2
F_5Nb	Niobium(V) fluoride	80	12.2
F_5V	Vanadium(V) fluoride	19.5	49.96
F_6Ir	Iridium(VI) fluoride	44	8.40
F_6Mo	Molybdenum(VI) fluoride	17.5	4.33
F_6Pu	Plutonium(VI) fluoride	52	17.6
F_6S	Sulfur hexafluoride	-50.7 t	5.02
F_6U	Uranium(VI) fluoride	64.0 t	19.1
F_6W	Tungsten(VI) fluoride	2.3	4.10
Fe	Iron	1538	13.81
FeI_2	Iron(II) iodide	587	45
FeO	Iron(II) oxide	1377	24
FeS	Iron(II) sulfide	1188	31.5
Fe_3O_4	Iron(II,III) oxide	1597	138
Ga	Gallium	29.76	5.576
GaI_3	Gallium(III) iodide	212	12.9
GaSb	Gallium antimonide	712	25.1
Ga_2O_3	Gallium(III) oxide	1806	100
Gd	Gadolinium	1313	10.0
Ge	Germanium	938.25	36.94
HI	Hydrogen iodide	-50.76	2.87
HKO	Potassium hydroxide	406	7.9
HLi	Lithium hydride	688.7	22.59
HLiO	Lithium hydroxide	471.1	20.88
HNO_3	Nitric acid	-41.6	10.5
HNaO	Sodium hydroxide	323	6.60
HORb	Rubidium hydroxide	382	8.0
H_2	Hydrogen	-259.34	0.12
H_2Mg	Magnesium hydride	327	14
H_2O	Water	0.00	6.01
H_2O_2	Hydrogen peroxide	-0.43	12.50
H_2O_2Sr	Strontium hydroxide	535	23
H_2O_4S	Sulfuric acid	10.31	10.71
H_2S	Hydrogen sulfide	-85.5	2.38
H_2Sr	Strontium hydride	1050	23
H_3N	Ammonia	-77.73	5.66
H_3O_2P	Hypophosphorous acid	26.5	9.7

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ENTHALPY OF FUSION (continued)

Molecular formula	Name	t_m/°C	$\Delta_{fus}H$/kJ mol^{-1}
H_3O_3P	Phosphorous acid	74.4	12.8
H_3O_4P	Phosphoric acid	42.4	13.4
H_4IN	Ammonium iodide	551	21
H_4N_2	Hydrazine	1.4	12.6
$H_4N_2O_3$	Ammonium nitrate	210	6.40
Hf	Hafnium	2233	27.2
Hg	Mercury	-38.83	2.29
HgI_2	Mercury(II) iodide	259	18.9
Hg_2I_2	Mercury(I) iodide	290	27
Ho	Holmium	1474	17.0
IIn	Indium(I) iodide	364.4	17.26
IK	Potassium iodide	681	24
ILi	Lithium iodide	469	14.6
INa	Sodium iodide	660	23.6
IRb	Rubidium iodide	642	12.5
ITl	Thallium(I) iodide	441.7	14.73
I_2	Iodine	113.7	15.52
I_2Mg	Magnesium iodide	634	26
I_2Pb	Lead(II) iodide	410	23.4
I_2Sr	Strontium iodide	538	19.7
I_3In	Indium(III) iodide	207	18.48
I_4Si	Tetraiodosilane	120.5	19.7
I_4Th	Thorium(IV) iodide	570	61.4
I_4Ti	Titanium(IV) iodide	150	19.8
I_4U	Uranium(IV) iodide	506	70.7
In	Indium	156.60	3.281
InSb	Indium antimonide	525	25.5
In_2O_3	Indium(III) oxide	1912	105
Ir	Iridium	2446	41.12
K	Potassium	63.5	2.33
KNO_3	Potassium nitrate	337	10.1
K_2O_4S	Potassium sulfate	1069	36.4
K_2S	Potassium sulfide	948	16.15
Kr	Krypton	-157.38 t	1.64
La	Lanthanum	918	6.20
Li	Lithium	180.50	3.00
$LiNO_3$	Lithium nitrate	253	24.9
Li_2O_3Si	Lithium metasilicate	1201	28
Li_2O_4S	Lithium sulfate	859	7.50
Lu	Lutetium	1663	22
Mg	Magnesium	650	8.48
MgO	Magnesium oxide	2825	77
MgO_4S	Magnesium sulfate	1127	14.6
MgS	Magnesium sulfide	2226	63
Mg_2O_4Si	Magnesium orthosilicate	1897	71
Mn	Manganese	1246	12.91
MnO	Manganese(II) oxide	1839	54.4
Mo	Molybdenum	2623	37.48
MoO_3	Molybdenum(VI) oxide	801	48
$NNaO_3$	Sodium nitrate	307	15
NO	Nitric oxide	-163.6	2.30
NO_3Rb	Rubidium nitrate	305	5.60
NO_3Tl	Thallium(I) nitrate	206	9.6
N_2	Nitrogen	-210.0	0.71
N_2O	Nitrous oxide	-90.8	6.54
N_2O_4	Nitrogen tetroxide	-9.3	14.65
Na	Sodium	97.80	2.60
Na_2O	Sodium oxide	1132	48

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ENTHALPY OF FUSION (continued)

Molecular formula	Name	t_m/°C	$\Delta_{fus}H$/kJ mol^{-1}
Na_2O_3Si	Sodium metasilicate	1089	52
Na_2O_4S	Sodium sulfate	884	23.6
Na_2S	Sodium sulfide	1172	19
Nb	Niobium	2477	30
NbO	Niobium(II) oxide	1936	85
NbO_2	Niobium(IV) oxide	1901	92
Nb_2O_5	Niobium(V) oxide	1512	104.3
Nd	Neodymium	1021	7.14
Ne	Neon	-248.61 t	0.328
Ni	Nickel	1455	17.04
NiS	Nickel(II) sulfide	976	30.1
Np	Neptunium	644	3.20
OSr	Strontium oxide	2531	81
OTl_2	Thallium(I) oxide	579	30.3
OV	Vanadium(II) oxide	1789	63
OZn	Zinc oxide	1974	52.3
O_2	Oxygen	-218.79	0.44
O_2Si	Silicon dioxide (cristobalite)	1722	9.6
O_2Zr	Zirconium(IV) oxide	2709	87
O_3S	Sulfur trioxide	16.8	8.60
O_3Tl_2	Thallium(III) oxide	834	53
O_3W	Tungsten(VI) oxide	1472	73
O_3Y_2	Yttrium oxide	2438	105
O_4Os	Osmium(VIII) oxide	41	9.8
O_4SSr	Strontium sulfate	1606	36
O_4STl_2	Thallium(I) sulfate	632	23
O_5P_2	Phosphorus(V) oxide	562	27.2
O_5Ta_2	Tantalum(V) oxide	1784	120
O_5V_2	Vanadium(V) oxide	670	64.5
O_7Re_2	Rhenium(VII) oxide	297	64.2
Os	Osmium	3033	57.85
P	Phosphorus (white)	44.15	0.66
Pa	Protactinium	1572	12.34
Pb	Lead	327.46	4.782
PbS	Lead(II) sulfide	1113	49.4
Pd	Palladium	1554.9	16.74
Pr	Praseodymium	931	6.89
Pt	Platinum	1768.4	22.17
Pu	Plutonium	640	2.82
Rb	Rubidium	39.3	2.19
Re	Rhenium	3186	60.43
Rh	Rhodium	1964	26.59
Ru	Ruthenium	2334	38.59
S	Sulfur (monoclinic)	115.21	1.72
SSr	Strontium sulfide	2226	63
STl_2	Thallium(I) sulfide	448	12
Sb	Antimony	630.63	19.79
Sc	Scandium	1541	14.1
Se	Selenium (gray)	220.5	6.69
Si	Silicon	1414	50.21
Sm	Samarium	1074	8.62
Sn	Tin (white)	231.93	7.173
Sr	Strontium	777	7.43
Ta	Tantalum	3017	36.57
Tb	Terbium	1356	10.15
Tc	Technetium	2157	33.29
Te	Tellurium	449.51	17.49
Th	Thorium	1750	13.81

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ENTHALPY OF FUSION (continued)

Molecular formula	Name	t_m/°C	$\Delta_{fus}H$/kJ mol^{-1}
Ti	Titanium	1668	14.15
Tl	Thallium	304	4.14
Tm	Thulium	1545	16.84
U	Uranium	1135	9.14
V	Vanadium	1910	21.5
W	Tungsten	3422	52.31
Xe	Xenon	-111.79 t	2.27
Y	Yttrium	1522	11.4
Yb	Ytterbium	819	7.66
Zn	Zinc	419.53	7.068
Zr	Zirconium	1855	21.00
$CBaO_3$	Barium carbonate	1555	40
$CBrCl_3$	Bromotrichloromethane	-5.65	2.53
CBr_4	Tetrabromomethane	92.3	3.76
$CCaO_3$	Calcium carbonate (calcite)	1330	36
CCl_2O	Carbonyl chloride	-127.78	5.74
CCl_3F	Trichlorofluoromethane	-110.44	6.89
CCl_4	Tetrachloromethane	-22.62	2.56
CF_4	Tetrafluoromethane	-183.60	0.704
$CHBr_3$	Tribromomethane	8.69	11.05
$CHClF_2$	Chlorodifluoromethane	-157.42	4.12
$CHCl_3$	Trichloromethane	-63.41	9.5
CHF_3	Trifluoromethane	-155.2	4.06
CHI_3	Triiodomethane	121.2	16.44
CHN	Hydrogen cyanide	-13.29	8.41
$CHNaO_2$	Sodium formate	257.3	17.7
CHO_2Tl	Thallium(I) formate	101	10.9
CH_2Cl_2	Dichloromethane	-97.2	4.60
CH_2N_2	Cyanamide	45.56	7.27
CH_2N_4	Tetrazole	157.3	18.2
CH_2O_2	Formic acid	8.3	12.68
CH_3Br	Bromomethane	-93.68	5.98
CH_3Cl	Chloromethane	-97.7	6.43
CH_3NO	Formamide	2.49	8.44
CH_3NO_2	Nitromethane	-28.38	9.70
CH_3NO_3	Methyl nitrate	-83.0	8.24
CH_4	Methane	-182.47	0.94
CH_4N_2O	Urea	133.3	13.9
CH_4N_2S	Thiourea	178	14.0
CH_4O	Methanol	-97.53	3.215
CH_4S	Methanethiol	-123	5.91
CH_5N	Methylamine	-93.5	6.13
CH_6N_2	Methylhydrazine	-52.36	10.42
CK_2O_3	Potassium carbonate	898	27.6
CLi_2O_3	Lithium carbonate	723	41
$CMgO_3$	Magnesium carbonate	990	59
CNa_2O_3	Sodium carbonate	858.1	29.7
CO	Carbon monoxide	-205.02	0.833
COS	Carbon oxysulfide	-138.8	4.73
CO_2	Carbon dioxide	-56.56 t	9.02
CO_3Sr	Strontium carbonate	1494	40
CO_3Tl_2	Thallium(I) carbonate	272	18.4
CS_2	Carbon disulfide	-112.1	4.39
CSe_2	Carbon diselenide	-43.7	6.36
$C_2Br_2F_4$	1,2-Dibromotetrafluoroethane	-110.32	7.04
C_2ClF_3	Chlorotrifluoroethene	-158.2	5.55
C_2ClF_5	Chloropentafluoroethane	-99.4	1.86
$C_2Cl_2F_4$	1,2-Dichloro-1,1,2,2-tetrafluoroethane	-92.53	1.51

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ENTHALPY OF FUSION (continued)

Molecular formula	Name	t_m/°C	$\Delta_{fus}H$/kJ mol^{-1}
$C_2Cl_3F_3$	1,1,2-Trichloro-1,2,2-trifluoroethane	-36.22	2.47
C_2Cl_4	Tetrachloroethene	-22.3	10.88
$C_2Cl_4F_2$	1,1,2,2-Tetrachloro-1,2-difluoroethane	24.8	3.67
C_2Cl_6	Hexachloroethane	186.8 t	9.75
C_2F_4	Tetrafluoroethene	-131.15	7.72
C_2F_6	Hexafluoroethane	-100.05	2.69
C_2HCl_3	Trichloroethylene	-84.7	8.45
$C_2HCl_3O_2$	Trichloroacetic acid	59.2	5.90
C_2HCl_5	Pentachloroethane	-28.78	11.3
$C_2H_2Cl_2$	1,1-Dichloroethene	-122.56	6.51
$C_2H_2Cl_2$	*cis*-1,2-Dichloroethene	-80.0	7.2
$C_2H_2Cl_4$	1,1,2,2-Tetrachloroethane	-42.4	9.17
C_2H_3Br	Bromoethene	-139.54	5.12
C_2H_3Cl	Chloroethene	-153.84	4.92
$C_2H_3ClO_2$	Chloroacetic acid	63	12.28
$C_2H_3Cl_3$	1,1,1-Trichloroethane	-30.01	2.35
$C_2H_3Cl_3$	1,1,2-Trichloroethane	-36.3	11.46
$C_2H_3F_3$	1,1,1-Trifluoroethane	-111.3	6.19
$C_2H_3KO_2$	Potassium acetate	309	7.65
C_2H_3N	Acetonitrile	-43.82	8.16
$C_2H_3NaO_2$	Sodium acetate	328.2	17.9
C_2H_4	Ethylene	-169.15	3.35
$C_2H_4Br_2$	1,2-Dibromoethane	9.84	10.89
$C_2H_4Cl_2$	1,1-Dichloroethane	-96.9	7.87
$C_2H_4Cl_2$	1,2-Dichloroethane	-35.7	8.84
C_2H_4O	Acetaldehyde	-123.37	2.31
C_2H_4O	Ethylene oxide	-112.5	5.17
$C_2H_4O_2$	Acetic acid	16.64	11.73
C_2H_5Br	Bromoethane	-118.6	7.47
C_2H_5Cl	Chloroethane	-138.4	4.45
C_2H_5NO	Acetamide	80.16	15.59
$C_2H_5NO_2$	Nitroethane	-89.5	9.85
C_2H_6	Ethane	-182.79	2.72*
$C_2H_6N_2O$	*N*-Methylurea	104.9	14.0
C_2H_6O	Ethanol	-114.14	4.931
C_2H_6O	Dimethyl ether	-141.5	4.94
C_2H_6OS	Dimethyl sulfoxide	17.89	14.37
$C_2H_6O_2$	Ethylene glycol	-12.69	9.96
$C_2H_6O_2S$	Dimethyl sulfone	108.9	18.30
C_2H_6S	Ethanethiol	-147.88	4.98
C_2H_6S	Dimethyl sulfide	-98.24	7.99
$C_2H_6S_2$	Dimethyl disulfide	-84.67	9.19
C_2H_6Zn	Dimethyl zinc	-43.0	6.83
C_2H_7N	Dimethylamine	-92.18	5.94
$C_2H_8N_2$	1,2-Ethanediamine	11.14	22.58
$C_2H_8N_2$	1,1-Dimethylhydrazine	-57.20	10.07
$C_2H_8N_2$	1,2-Dimethylhydrazine	-8.9	13.64
C_2N_2	Cyanogen	-27.83	8.11
C_3F_6O	Perfluoroacetone	-125.45	8.38
C_3F_8	Perfluoropropane	-147.70	0.477
C_3H_3N	Acrylonitrile	-83.48	6.23
C_3H_3NS	Thiazole	-33.62	9.57
$C_3H_3N_3$	1,3,5-Triazine	80.3	14.56
C_3H_4	Allene	-136.6	4.40
$C_3H_4N_2$	1*H*-Pyrazole	70.7	14.0
$C_3H_4N_2$	Imidazole	89.5	12.82
$C_3H_4O_2$	Acrylic acid	12.5	9.51
C_3H_5N	Propanenitrile	-92.78	5.03

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ENTHALPY OF FUSION (continued)

Molecular formula	Name	t_m/°C	$\Delta_{fus}H$/kJ mol^{-1}
$C_3H_5N_3O_9$	Trinitroglycerol	13.5	21.87
C_3H_6	Propene	-185.24	3.003
C_3H_6	Cyclopropane	-127.58	5.44
$C_3H_6Br_2$	1,2-Dibromopropane	-55.49	8.94
$C_3H_6Br_2$	1,3-Dibromopropane	-34.5	14.6
$C_3H_6Cl_2$	1,2-Dichloropropane, (±)	-100.53	6.40
$C_3H_6Cl_2$	2,2-Dichloropropane	-33.9	2.30
C_3H_6O	Acetone	-94.7	5.77
C_3H_6O	Methyloxirane	-111.9	6.53
C_3H_6O	Oxetane	-97	6.5
$C_3H_6O_2$	Propanoic acid	-20.5	10.66
$C_3H_6O_2$	Methyl acetate	-98.25	7.49
$C_3H_6O_2$	1,3-Dioxolane	-97.22	6.57
$C_3H_6O_3$	1,3,5-Trioxane	60.29	15.11
C_3H_6S	Thiacyclobutane	-73.24	8.25
C_3H_7Br	1-Bromopropane	-110.3	6.44
C_3H_7Br	2-Bromopropane	-89.0	6.53
C_3H_7Cl	1-Chloropropane	-122.9	5.54
C_3H_7Cl	2-Chloropropane	-117.18	7.39
C_3H_7N	Cyclopropylamine	-35.39	13.18
C_3H_7NO	*N*,*N*-Dimethylformamide	-60.48	7.90
C_3H_8	Propane	-187.63	3.50
$C_3H_8N_2O$	*N*,*N*-Dimethylurea	182.1	23.0
$C_3H_8N_2O$	N,N'-Dimethylurea	106.6	13.0
C_3H_8O	1-Propanol	-124.39	5.37
C_3H_8O	2-Propanol	-87.9	5.41
$C_3H_8O_2$	1,3-Propylene glycol	-27.7	7.1
$C_3H_8O_2$	Dimethoxymethane	-105.1	8.33
$C_3H_8O_3$	Glycerol	18.1	18.3
C_3H_8S	1-Propanethiol	-113.13	5.48
C_3H_8S	2-Propanethiol	-130.5	5.74
C_3H_8S	Ethyl methyl sulfide	-105.93	9.76
C_3H_9N	Propylamine	-84.75	10.97
C_3H_9N	Isopropylamine	-95.13	7.33
C_3H_9N	Trimethylamine	-117.1	7
C_3H_9NO	3-Amino-1-propanol	12.4	19.7
C_4F_8	Perfluorocyclobutane	-40.19	2.77
C_4F_{10}	Perfluorobutane	-129.1	7.66
$C_4H_2O_3$	Maleic anhydride	52.56	13.60
$C_4H_4N_2$	Succinonitrile	57.98	3.70
$C_4H_4N_2$	Pyrazine	51.0	12.9
C_4H_4O	Furan	-85.61	3.80
$C_4H_4O_3$	Succinic anhydride	119	20.4
C_4H_4S	Thiophene	-38.21	5.07
C_4H_5N	Pyrrole	-23.39	7.91
C_4H_6	1,2-Butadiene	-136.2	6.96
C_4H_6	1,3-Butadiene	-108.91	7.98
C_4H_6	1-Butyne	-125.7	6.03
C_4H_6	2-Butyne	-32.2	9.23
C_4H_6O	Divinyl ether	-100.6	7.9
$C_4H_6O_2$	*cis*-Crotonic acid	15	12.6
$C_4H_6O_2$	*trans*-Crotonic acid	71.5	13.0
$C_4H_6O_2$	γ-Butyrolactone	-43.61	9.57
$C_4H_6O_3$	Acetic anhydride	-74.1	10.5
$C_4H_6O_4$	Succinic acid	187.9	32.4
$C_4H_6O_4$	Dimethyl oxalate	54.8	21.1
C_4H_8	1-Butene	-185.34	3.96
C_4H_8	*cis*-2-Butene	-138.88	7.31

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ENTHALPY OF FUSION (continued)

Molecular formula	Name	t_m/°C	$\Delta_{fus}H$/kJ mol^{-1}
C_4H_8	*trans*-2-Butene	-105.52	9.76
C_4H_8	Isobutene	-140.7	5.92
C_4H_8	Cyclobutane	-90.7	1.09
C_4H_8	Methylcyclopropane	-177.6	2.8
C_4H_8O	Butanal	-96.86	10.77
C_4H_8O	2-Butanone	-86.64	8.39
C_4H_8O	Tetrahydrofuran	-108.44	8.54
$C_4H_8O_2$	Butanoic acid	-5.1	11.59
$C_4H_8O_2$	Ethyl acetate	-83.8	10.48
$C_4H_8O_2$	1,4-Dioxane	11.85	12.84
C_4H_8S	Tetrahydrothiophene	-96.2	7.35
C_4H_9Br	1-Bromobutane	-112.6	9.23
C_4H_9Br	2-Bromobutane, (±)	-112.65	6.89
C_4H_9Cl	2-Chloro-2-methylpropane	-25.60	2.07
C_4H_9N	Pyrrolidine	-57.79	8.58
C_4H_9NO	Morpholine	-4.8	14.5
C_4H_{10}	Butane	-138.3	4.66
C_4H_{10}	Isobutane	-159.4	4.54
$C_4H_{10}O$	1-Butanol	-88.6	9.37
$C_4H_{10}O$	2-Butanol	-88.5	5.97
$C_4H_{10}O$	2-Methyl-1-propanol	-101.9	6.32
$C_4H_{10}O$	2-Methyl-2-propanol	25.69	6.70
$C_4H_{10}O$	Diethyl ether	-116.2	7.19
$C_4H_{10}O_2$	1,4-Butanediol	20.4	18.70
$C_4H_{10}O_2$	Ethylene glycol dimethyl ether	-69.20	12.6
$C_4H_{10}S$	1-Butanethiol	-115.7	10.46
$C_4H_{10}S$	Diethyl sulfide	-103.91	10.90
$C_4H_{11}N$	*tert*-Butylamine	-66.94	0.882
$C_4H_{12}Pb$	Tetramethyl lead	-30.2	10.80
$C_4H_{12}Si$	Tetramethylsilane	-99.06	6.87
$C_4H_{12}Sn$	Tetramethylstannane	-55.1	9.30
$C_5H_4O_2$	Furfural	-38.1	14.37
C_5H_5N	Pyridine	-41.70	8.28
C_5H_6O	2-Methylfuran	-91.3	8.55
$C_5H_6O_2$	Furfuryl alcohol	-14.6	13.13
C_5H_8	*cis*-1,3-Pentadiene	-140.8	5.64
C_5H_8	*trans*-1,3-Pentadiene	-87.4	7.14
C_5H_8	1,4-Pentadiene	-148.2	6.12
C_5H_8	2-Methyl-1,3-butadiene	-145.9	4.93
C_5H_8	Cyclopentene	-135.0	3.36
C_5H_8	Spiropentane	-107.0	6.43
$C_5H_8O_2$	Methyl methacrylate	-47.55	14.4
$C_5H_8O_3$	4-Oxopentanoic acid	33	9.22
$C_5H_8O_4$	Glutaric acid	97.8	20.3
C_5H_9N	Pentanenitrile	-96.2	9
C_5H_{10}	1-Pentene	-165.12	5.94
C_5H_{10}	*cis*-2-Pentene	-151.36	7.11
C_5H_{10}	*trans*-2-Pentene	-140.21	8.35
C_5H_{10}	2-Methyl-1-butene	-137.53	7.91
C_5H_{10}	3-Methyl-1-butene	-168.43	5.36
C_5H_{10}	2-Methyl-2-butene	-133.72	7.60
C_5H_{10}	Cyclopentane	-93.4	0.61
$C_5H_{10}O$	Cyclopentanol	-17.5	1.535
$C_5H_{10}O$	2-Pentanone	-76.8	10.63
$C_5H_{10}O$	3-Pentanone	-39	11.59
$C_5H_{10}O$	3-Methyl-2-butanone	-93.1	9.34
$C_5H_{10}O$	Tetrahydropyran	-49.1	1.8
$C_5H_{10}O_2$	Pentanoic acid	-33.6	14.16

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ENTHALPY OF FUSION (continued)

Molecular formula	Name	t_m/°C	$\Delta_{fus}H$/kJ mol^{-1}
$C_5H_{11}Br$	1-Bromopentane	-88.0	14.37
$C_5H_{11}N$	Cyclopentylamine	-82.7	8.31
$C_5H_{11}N$	Piperidine	-11.02	14.85
C_5H_{12}	Pentane	-129.67	8.40
C_5H_{12}	Isopentane	-159.77	5.15
C_5H_{12}	Neopentane	-16.4	3.10
$C_5H_{12}O$	1-Pentanol	-77.6	10.50
$C_5H_{12}O$	2-Methyl-2-butanol	-9.1	4.46
$C_5H_{12}O$	Butyl methyl ether	-115.7	10.85
$C_5H_{12}O$	Methyl *tert*-butyl ether	-108.6	7.60
$C_5H_{12}O_4$	Pentaerythritol	258	4.8
$C_5H_{12}S$	1-Pentanethiol	-75.65	17.53
C_6Cl_6	Hexachlorobenzene	228.83	25.2
C_6F_6	Hexafluorobenzene	5.03	11.59
C_6F_{14}	Perfluorohexane	-88.2	6.84
C_6HF_5	Pentafluorobenzene	-47.4	10.87
C_6HF_5O	Pentafluorophenol	37.5	16.41
$C_6H_2F_4$	1,2,3,5-Tetrafluorobenzene	-46.25	6.36
$C_6H_2F_4$	1,2,4,5-Tetrafluorobenzene	3.88	15.05
$C_6H_3Cl_3$	1,2,3-Trichlorobenzene	51.3	17.9
$C_6H_3Cl_3$	1,2,4-Trichlorobenzene	16.92	16.4
$C_6H_3Cl_3$	1,3,5-Trichlorobenzene	62.8	18.1
$C_6H_3N_3O_6$	1,3,5-Trinitrobenzene	122.9	15.4
$C_6H_4ClNO_2$	1-Chloro-2-nitrobenzene	32.1	17.9
$C_6H_4ClNO_2$	1-Chloro-3-nitrobenzene	44.4	19.4
$C_6H_4ClNO_2$	1-Chloro-4-nitrobenzene	82	14.1
$C_6H_4Cl_2$	*o*-Dichlorobenzene	-17.0	12.4
$C_6H_4Cl_2$	*m*-Dichlorobenzene	-24.8	12.6
$C_6H_4Cl_2$	*p*-Dichlorobenzene	53.09	18.19
$C_6H_4F_2$	*o*-Difluorobenzene	-47.1	11.05
$C_6H_4F_2$	*m*-Difluorobenzene	-69.12	8.58
$C_6H_4O_2$	*p*-Benzoquinone	115	18.5
C_6H_5Br	Bromobenzene	-30.72	10.70
C_6H_5Cl	Chlorobenzene	-45.31	9.6
C_6H_5ClO	*o*-Chlorophenol	9.4	13.0
C_6H_5ClO	*m*-Chlorophenol	32.6	14.9
C_6H_5ClO	*p*-Chlorophenol	42.8	14.1
C_6H_5F	Fluorobenzene	-42.18	11.31
C_6H_5I	Iodobenzene	-31.3	9.75
C_6H_5NO	Nitrosobenzene	67	31.0
$C_6H_5NO_2$	Nitrobenzene	5.7	12.12
$C_6H_5NO_3$	*o*-Nitrophenol	44.8	17.7
$C_6H_5NO_3$	*m*-Nitrophenol	96.8	20.6
$C_6H_5NO_3$	*p*-Nitrophenol	113.6	18.8
C_6H_6	Benzene	5.49	9.87
C_6H_6ClN	*o*-Chloroaniline	-1.9	11.9
C_6H_6ClN	*m*-Chloroaniline	-10.28	10.15
C_6H_6ClN	*p*-Chloroaniline	70.5	20.0
$C_6H_6N_2O_2$	*o*-Nitroaniline	71.0	16.1
$C_6H_6N_2O_2$	*m*-Nitroaniline	113.4	23.6
$C_6H_6N_2O_2$	*p*-Nitroaniline	147.5	21.2
C_6H_6O	Phenol	40.89	11.51
$C_6H_6O_2$	*p*-Hydroquinone	172.4	26.8
$C_6H_6O_2$	Pyrocatechol	104.6	22.8
$C_6H_6O_2$	Resorcinol	109.4	20.4
C_6H_6S	Benzenethiol	-14.93	11.48
C_6H_7N	Aniline	-6.02	10.54
C_6H_7N	2-Methylpyridine	-66.68	9.72

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ENTHALPY OF FUSION (continued)

Molecular formula	Name	t_m/°C	$\Delta_{fus}H$/kJ mol^{-1}
C_6H_7N	3-Methylpyridine	-18.14	14.18
C_6H_7N	4-Methylpyridine	3.67	12.58
$C_6H_8N_2$	*o*-Phenylenediamine	102.1	23.1
$C_6H_8N_2$	*m*-Phenylenediamine	66.0	15.57
$C_6H_8N_2$	*p*-Phenylenediamine	141.1	23.8
$C_6H_8N_2$	Phenylhydrazine	20.6	14.05
C_6H_{10}	Cyclohexene	-103.5	3.29
$C_6H_{10}O$	Cyclohexanone	-27.9	1.328
$C_6H_{10}O_2$	2-Oxepanone	-1.0	13.83
$C_6H_{10}O_4$	Adipic acid	152.5	36.3
$C_6H_{11}Cl$	Chlorocyclohexane	-43.81	2.043
C_6H_{12}	1-Hexene	-139.76	9.35
C_6H_{12}	*cis*-2-Hexene	-141.11	8.88
C_6H_{12}	2,3-Dimethyl-2-butene	-74.19	6.45
C_6H_{12}	Cyclohexane	6.59	2.68
C_6H_{12}	Methylcyclopentane	-142.42	6.93
$C_6H_{12}O$	Hexanal	-56	13.3
$C_6H_{12}O$	2-Hexanone	-55.5	14.9
$C_6H_{12}O$	3-Hexanone	-55.4	13.49
$C_6H_{12}O$	Cyclohexanol	25.93	1.78
$C_6H_{12}O_3$	Paraldehyde	12.6	13.5
$C_6H_{13}Br$	1-Bromohexane	-83.7	18.1
$C_6H_{13}N$	Cyclohexylamine	-17.8	17.5
C_6H_{14}	Hexane	-95.35	13.08
C_6H_{14}	2-Methylpentane	-153.6	6.27
C_6H_{14}	3-Methylpentane	-162.90	5.30
C_6H_{14}	2,2-Dimethylbutane	-98.8	0.58
C_6H_{14}	2,3-Dimethylbutane	-128.10	0.79
$C_6H_{14}O$	1-Hexanol	-47.4	15.38
$C_6H_{14}O$	Dipropyl ether	-114.8	10.8
$C_6H_{14}O$	Diisopropyl ether	-85.4	12.04
$C_6H_{14}O_2$	1,6-Hexanediol	41.5	22.2
C_7F_8	Perfluorotoluene	-65.49	11.54
C_7F_{16}	Perfluoroheptane	-51.2	6.95
$C_7H_3F_5$	2,3,4,5,6-Pentafluorotoluene	-29.78	13.1
C_7H_5ClO	Benzoyl chloride	-0.4	19.2
$C_7H_5ClO_2$	*o*-Chlorobenzoic acid	140.2	25.6
C_7H_5N	Benzonitrile	-13.99	9.1
$C_7H_5N_3O_6$	2,4,6-Trinitrotoluene	80.5	22.9
$C_7H_6O_2$	Benzoic acid	122.35	18.02
$C_7H_6O_3$	*o*-Hydroxybenzoic acid	159.0	14.2
C_7H_7Cl	*o*-Chlorotoluene	-35.8	9.6
C_7H_7NO	Benzamide	127.3	19.5
$C_7H_7NO_2$	*p*-Nitrotoluene	51.63	16.81
C_7H_8	Toluene	-94.95	6.64
C_7H_8O	*o*-Cresol	31.03	15.82
C_7H_8O	*m*-Cresol	12.24	10.71
C_7H_8O	*p*-Cresol	34.77	12.71
C_7H_8O	Benzyl alcohol	-15.4	8.97
C_7H_8O	Anisole	-37.13	12.9
C_7H_9N	*o*-Methylaniline	-14.41	11.66
C_7H_9N	*m*-Methylaniline	-31.3	7.9
C_7H_9N	*p*-Methylaniline	43.6	18.9
C_7H_{14}	1-Heptene	-118.9	12.41
C_7H_{14}	Cycloheptane	-8.46	1.88
C_7H_{14}	Methylcyclohexane	-126.6	6.75
$C_7H_{14}O$	1-Heptanal	-43.4	23.2
$C_7H_{14}O$	Cycloheptanol	7.2	1.60

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ENTHALPY OF FUSION (continued)

Molecular formula	Name	t_m/°C	$\Delta_{fus}H$/kJ mol^{-1}
$C_7H_{14}O_2$	Heptanoic acid	-7.17	15.13
$C_7H_{15}Br$	1-Bromoheptane	-56.1	21.8
C_7H_{16}	Heptane	-90.55	14.03
C_7H_{16}	2-Methylhexane	-118.2	9.19
C_7H_{16}	3-Ethylpentane	-118.55	9.55
C_7H_{16}	2,2-Dimethylpentane	-123.7	5.82
C_7H_{16}	2,4-Dimethylpentane	-119.2	6.85
C_7H_{16}	3,3-Dimethylpentane	-134.4	6.85
C_7H_{16}	2,2,3-Trimethylbutane	-24.6	2.26
$C_7H_{16}O$	1-Heptanol	-33.2	18.17
C_8H_8	Styrene	-30.65	10.9
$C_8H_8O_2$	*o*-Toluic acid	103.5	19.5
$C_8H_8O_2$	*m*-Toluic acid	109.9	15.7
$C_8H_8O_2$	*p*-Toluic acid	179.6	22.7
$C_8H_8O_2$	Benzeneacetic acid	76.5	16.3
$C_8H_8O_2$	Methyl benzoate	-12.4	9.74
C_8H_{10}	Ethylbenzene	-94.96	9.18
C_8H_{10}	*o*-Xylene	-25.2	13.6
C_8H_{10}	*m*-Xylene	-47.8	11.6
C_8H_{10}	*p*-Xylene	13.25	17.12
$C_8H_{10}O$	2,3-Xylenol	72.5	21.0
$C_8H_{10}O$	2,5-Xylenol	74.8	23.4
$C_8H_{10}O$	2,6-Xylenol	45.8	18.9
$C_8H_{10}O$	3,4-Xylenol	65.1	18.1
$C_8H_{10}O$	3,5-Xylenol	63.4	17.4
C_8H_{16}	1-Octene	-101.7	15.31
C_8H_{16}	Cyclooctane	14.59	2.41
C_8H_{16}	Ethylcyclohexane	-111.3	8.33
C_8H_{16}	1,1-Dimethylcyclohexane	-33.3	2.07
C_8H_{16}	*cis*-1,2-Dimethylcyclohexane	-49.8	1.64
C_8H_{16}	*trans*-1,2-Dimethylcyclohexane	-88.15	10.49
C_8H_{16}	*cis*-1,3-Dimethylcyclohexane	-75.53	10.82
C_8H_{16}	*trans*-1,3-Dimethylcyclohexane	-90.07	9.87
C_8H_{16}	*cis*-1,4-Dimethylcyclohexane	-87.39	9.31
C_8H_{16}	*trans*-1,4-Dimethylcyclohexane	-36.93	12.33
$C_8H_{16}O_2$	Octanoic acid	16.5	21.35
$C_8H_{17}Br$	1-Bromooctane	-55.0	24.7
C_8H_{18}	Octane	-56.82	20.73
C_8H_{18}	2-Methylheptane	-109.02	11.92
C_8H_{18}	3-Methylheptane	-120.48	11.69
C_8H_{18}	4-Methylheptane	-121.0	10.8
C_8H_{18}	2,2,4-Trimethylpentane	-107.3	9.20
$C_8H_{18}O$	1-Octanol	-14.8	23.7
C_9H_7N	Quinoline	-14.78	10.66
C_9H_7N	Isoquinoline	26.47	13.54
C_9H_8	Indene	-1.5	10.20
C_9H_{10}	Indan	-51.38	8.60
C_9H_{12}	Propylbenzene	-99.6	9.27
C_9H_{12}	Isopropylbenzene	-96.02	7.33
C_9H_{12}	*o*-Ethyltoluene	-79.83	9.96
C_9H_{12}	*m*-Ethyltoluene	-95.6	7.6
C_9H_{12}	*p*-Ethyltoluene	-62.35	12.7
C_9H_{12}	1,2,3-Trimethylbenzene	-25.4	8.18
C_9H_{12}	1,2,4-Trimethylbenzene	-43.77	13.19
C_9H_{12}	1,3,5-Trimethylbenzene	-44.72	9.51
C_9H_{18}	Propylcyclohexane	-94.9	10.37
$C_9H_{18}O$	Nonanal	-19.3	30.5
$C_9H_{18}O$	5-Nonanone	-3.8	24.93

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ENTHALPY OF FUSION (continued)

Molecular formula	Name	t_m/°C	$\Delta_{fus}H$/kJ mol^{-1}
$C_9H_{18}O_2$	Nonanoic acid	12.4	19.82
C_9H_{20}	Nonane	-53.46	15.47
C_9H_{20}	3,3-Diethylpentane	-33.1	10.09
C_9H_{20}	2,2,3,3-Tetramethylpentane	-9.75	2.33
C_9H_{20}	2,2,4,4-Tetramethylpentane	-66.54	9.74
$C_{10}H_7Br$	1-Bromonaphthalene	6.1	15.2
$C_{10}H_7Br$	2-Bromonaphthalene	55.9	14.4
$C_{10}H_7Cl$	1-Chloronaphthalene	-2.5	12.9
$C_{10}H_7Cl$	2-Chloronaphthalene	58.0	14.0
$C_{10}H_8$	Naphthalene	80.26	19.01
$C_{10}H_8O$	1-Naphthol	95.0	23.1
$C_{10}H_8O$	2-Naphthol	121.5	18.1
$C_{10}H_{14}$	Butylbenzene	-87.85	11.22
$C_{10}H_{14}$	1-Isopropyl-4-methylbenzene	-67.94	9.66
$C_{10}H_{14}$	1,2,4,5-Tetramethylbenzene	79.3	21
$C_{10}H_{14}O$	Thymol	49.5	21.3
$C_{10}H_{18}$	*cis*-Decahydronaphthalene	-42.9	9.49
$C_{10}H_{18}$	*trans*-Decahydronaphthalene	-30.4	14.41
$C_{10}H_{18}O_4$	Sebacic acid	130.9	40.8
$C_{10}H_{20}$	1-Decene	-66.3	13.81
$C_{10}H_{20}$	Butylcyclohexane	-74.73	14.16
$C_{10}H_{20}O$	Decanal	-4.0	34.5
$C_{10}H_{20}O_2$	Decanoic acid	31.4	27.8
$C_{10}H_{22}$	Decane	-29.6	28.72
$C_{10}H_{22}O$	1-Decanol	6.9	43
$C_{11}H_{10}$	1-Methylnaphthalene	-30.43	6.95
$C_{11}H_{10}$	2-Methylnaphthalene	34.6	12.13
$C_{11}H_{24}$	Undecane	-25.5	22.2
$C_{12}H_8$	Acenaphthylene	91.8	6.9
$C_{12}H_9N$	Carbazole	246.3	24.1
$C_{12}H_{10}$	Acenaphthene	93.4	21.49
$C_{12}H_{10}$	Biphenyl	68.93	18.57
$C_{12}H_{10}N_2$	Azobenzene	67.88	22.52
$C_{12}H_{10}N_2O$	*trans*-Azoxybenzene	34.6	17.9
$C_{12}H_{10}O$	Diphenyl ether	26.87	17.22
$C_{12}H_{11}N$	Diphenylamine	53.2	18.5
$C_{12}H_{16}$	Cyclohexylbenzene	7.07	15.6
$C_{12}H_{18}$	Hexamethylbenzene	165.5	20.6
$C_{12}H_{24}$	1-Dodecene	-35.2	19.9
$C_{12}H_{24}O_2$	Dodecanoic acid	43.8	36.3
$C_{12}H_{26}$	Dodecane	-9.57	36.8
$C_{12}H_{26}O$	1-Dodecanol	23.9	40.2
$C_{13}H_{10}$	9*H*-Fluorene	114.77	19.58
$C_{13}H_{10}O$	Benzophenone	47.9	18.19
$C_{13}H_{12}$	Diphenylmethane	25.4	18.6
$C_{13}H_{28}$	Tridecane	-5.4	28.50
$C_{13}H_{28}O$	1-Tridecanol	31.7	41.4
$C_{14}H_{10}$	Anthracene	215.76	29.4
$C_{14}H_{10}$	Phenanthrene	99.24	16.46
$C_{14}H_{10}O_2$	Benzil	94.87	23.5
$C_{14}H_{12}$	*trans*-Stilbene	124.2	27.7
$C_{14}H_{12}O_2$	α-Phenylbenzeneacetic acid	147.29	31.3
$C_{14}H_{28}O_2$	Tetradecanoic acid	54.2	45.1
$C_{14}H_{30}$	Tetradecane	5.82	45.07
$C_{14}H_{30}O$	1-Tetradecanol	38.2	25.1*
$C_{15}H_{32}$	Pentadecane	9.95	34.6
$C_{16}H_{10}$	Fluoranthene	110.19	18.69
$C_{16}H_{10}$	Pyrene	150.62	17.36

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ENTHALPY OF FUSION (continued)

Molecular formula	Name	t_m/°C	$\Delta_{fus}H$/kJ mol^{-1}
$C_{16}H_{32}O_2$	Hexadecanoic acid	62.5	53.7
$C_{16}H_{34}$	Hexadecane	18.12	53.36
$C_{16}H_{34}O$	1-Hexadecanol	49.2	33.6
$C_{17}H_{36}$	Heptadecane	22.0	40.16
$C_{18}H_{12}$	Benz[a]anthracene	160.5	21.4
$C_{18}H_{12}$	Benzo[c]phenanthrene	68	16.3
$C_{18}H_{12}$	Chrysene	255.5	26.2
$C_{18}H_{12}$	Triphenylene	197.8	24.74
$C_{18}H_{14}$	*o*-Terphenyl	56.20	17.19
$C_{18}H_{14}$	*p*-Terphenyl	213.9	35.3
$C_{18}H_{15}N$	Triphenylamine	126.5	24.9
$C_{18}H_{36}O_2$	Stearic acid	69.3	61.2
$C_{18}H_{38}$	Octadecane	28.2	61.7
$C_{18}H_{38}O$	1-Octadecanol	57.9	45
$C_{19}H_{40}$	Nonadecane	32.0	45.8
$C_{20}H_{12}$	Perylene	277.76	31.9
$C_{20}H_{12}$	Benzo[a]pyrene	181.1	17.3
$C_{20}H_{12}$	Benzo[e]pyrene	181.4	16.6
$C_{20}H_{14}$	2,2'-Binaphthalene	187.9	38.9
$C_{20}H_{42}$	Eicosane	36.6	69.9
$C_{20}H_{42}O$	1-Eicosanol	65.4	42
$C_{24}H_{12}$	Coronene	437.4	19.2

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