| Substance | Formula (state) | $\bar{h}_i^o(T)$ kcal/mol | Substance | Formula (state) | $\bar{h}_i^o(T)$ kcal/mol |
|---|---|---|---|---|---|
| Aluminum Oxide | $Al_2O_3(s)$ | −400.5 | Hydrogen Cyanide | $HCN(g)$ | 32.3 |
| Diborane | $B_2H_6(g)$ | 8.5 | Formaldehyde | $CH_2O(g)$ | −26.0 |
| Boron Oxide | $B_2O_3(s)$ | −304.4 | Formic Acid | $CH_2O_2(l)$ | −101.6 |
| Bromine Atom | $Br(g)$ | 26.7 | Nitromethane | $CH_3NO_2(g)$ | −17.9 |
| Bromine | $Br_2(g)$ | 7.4 | Methylnitrate | $CH_3NO_3(g)$ | −29.8 |
| Hydrogen Bromide | $HBr(g)$ | −8.7 | Methane | $CH_4(g)$ | −17.8 |
| Calcium Carbonate | $CaCO_3$ | −288.5 | Methanol | $CH_4O(l)$ | −57.1 |
| Calcium Oxide | $CaO(s)$ | −151.7 | Carbon Monoxide | $CO(g)$ | −26.4 |
| Chlorine Atom | $Cl(g)$ | 29.0 | Carbon Dioxide | $CO_2(g)$ | −94.0 |
| Hydrogen Chloride | $HCl(g)$ | −22.1 | Acetylene | $C_2H_2(g)$ | 54.5 |
| Fluorine Atom | $F(g)$ | 19.0 | Ethylene | $C_2H_4(g)$ | 12.5 |
| Hydrogen Fluoride | $HF(g)$ | −65.3 | Acetaldehyde | $C_2H_4O(g)$ | −39.7 |
| Iron Oxide | $Fe_3O_4$ | −267.3 | Ethylene Oxide | $C_2H_4O(g)$ | −12.6 |
| Hydrogen Atom | $H(g)$ | 52.1 | Acetic Acid | $C_2H_4O_2(l)$ | −115.8 |
| Iodine Atom | $I(g)$ | 25.5 | Ethane | $C_2H_6(g)$ | −20.2 |
| Hydrogen Iodide | $HI(g)$ | 6.3 | Ethanol | $C_2H_6O(l)$ | −66.4 |
| Iodine | $I_2(g)$ | 14.9 | Dimethyl Ether | $C_2H_6O(g)$ | −44.0 |
| Magnesium Oxide | $MgO(s)$ | −143.8 | Cyanogen | $C_2N_2(g)$ | 73.3 |
| Nitrogen Atom | $N(g)$ | 113.0 | Allene | $C_3H_4(g)$ | 45.5 |
| Ammonia | $NH_3(g)$ | −11.0 | Propyne | $C_3H_4(g)$ | 44.2 |
| Nitric Oxide | $NO(g)$ | 21.6 | Propene | $C_3H_6(g)$ | 4.8 |
| Nitrogen Dioxide | $NO_2(g)$ | 7.9 | Cyclopropane | $C_3H_6(g)$ | 12.7 |
| Hydroazine | $N_2H_4(g)$ | 22.8 | Acetone | $C_3H_6O(g)$ | −51.9 |
| Nitrous Oxide | $N_2O(g)$ | 19.6 | Propylene Oxide | $C_3H_6O(g)$ | −22.6 |
| Oxygen Atom | $O(g)$ | 59.6 | Propane | $C_3H_8(g)$ | −25.0 |
| Hydroxyl | $OH(g)$ | 9.3 | 1,2-Butadiene | $C_4H_6(g)$ | 38.8 |
| Water | $H_2O(g)$ | −57.8 | 1,3-Butadiene | $C_4H_6(g)$ | 26.3 |
| Hydrogen Peroxide | $H_2O_2(g)$ | −32.6 | *n*-Butane | $C_4H_{10}(g)$ | −30.0 |
| Ozone | $O_3(g)$ | 34.1 | iso-Butane | $C_4H_{10}(g)$ | −32.1 |
| Disilane | $Si_2H_6(g)$ | 19.2 | Diethyl Ether | $C_4H_{10}O(g)$ | −60.3 |
| Silane | $SiH_4(g)$ | 8.2 | *n*-Pentane | $C_5H_{12}(g)$ | −35.1 |
| Silicon Dioxide | $SiO_2(s)$ | −217.7 | iso-Pentane | $C_5H_{12}(g)$ | −36.7 |
| Sulfur Dioxide | $SO_2(g)$ | −70.9 | Benzene | $C_6H_6(g)$ | 19.8 |
| Sulfur Trioxide | $SO_3(g)$ | −94.6 | Cyclohexane | $C_6H_{12}(g)$ | −29.5 |
| Titanium Oxide | $TiO_2(s)$ | −225.6 | *n*-Hexane | $C_6H_{14}(g)$ | −39.9 |
| Graphite | $C(s)$ | 0.0 | Toluene | $C_7H_8(g)$ | 12.0 |
| Carbon | $C(g)$ | 171.3 | *n*-Heptane | $C_7H_{16}(g)$ | −44.9 |
| Carbon Tetrachloride | $CCl_4(g)$ | −22.9 | *o*-Xylene | $C_8H_{10}(g)$ | 4.6 |
| Trichloromethane | $CHCl_3(g)$ | −24.8 | *n*-Octane | $C_8H_{18}(g)$ | −49.9 |
| Dichloromethane | $CH_2Cl_2(g)$ | −22.9 | iso-Octane | $C_8H_{18}(g)$ | −53.5 |
| Chloromethane | $CH_3Cl(g)$ | −19.6 | *n*-Hexadecane | $C_{16}H_{34}(g)$ | −89.6 |