49 THERMOPHYSICAL PROPERTIES IN THE DIPPR 801 DATABASE

34 CONSTANT PROPERTIES		
Property	**DIPPR ID**	**Units**
Acentric Factor	ACEN	---
Auto Ignition Temperature	AIT	K
Dielectric Constant	DC	---
Dipole Moment	DM	C·m
Absolute Entropy of Ideal Gas at 298.15 K and 1 bar	ENT	J/(kmol·K)
Lower Flammability Limit Temperature	FLTL	K
Upper Flammability Limit Temperature	FLTU	K
Lower Flammability Limit Percent	FLVL	Vol % in air
Upper Flammability Limit Percent	FLVU	Vol % in air
Flash Point	FP	K
Gibbs Energy of Formation for Ideal Gas at 298.15 K and 1 bar	GFOR	J/kmol
Standard State Gibbs Energy of Formation at 298.15 K and 1 bar	GSTD	J/kmol
Net Standard State Enthalpy of Combustion at 298.15 K	HCOM	j/kmol
Enthalpy of Formation for Ideal Gas at 298.15 K	HFOR	J/kmol
Enthalpy of Fusion at Melting Point	HFUS	J/kmol
Standard State Enthalpy of Formation at 298.15 K and 1 bar	HSTD	J/kmol
Heat of Sublimation	HSUB	J/kmol
Liquid Molar Volume at 298.15 K	LVOL	m 3/kmol
Melting Point at 1 atm	MP	K
Molecular Weight	MW	kg/kmol
Normal Boiling Point	NBP	K
Parachor	PAR	---
Critical Pressure	PC	Pa
Radius of Gyration	RG	m
Refractive Index	RI	---
Solubility Parameter at 298.15 K	SOLP	(J/m^3) ½
Standard State Absolute Entropy at 298.15 K and 1 bar	SSTD	J/(kmol·K)
Critical Temperature	TC	K
Triple Point Pressure	TPP	Pa

Triple Point Temperature	TPT	K
Critical Volume	VC	m^3/kmol
van der Waals Area	VDWA	m^2/kmol
van der Waals Reduced Volume	VDWV	m^3/kmol
Critical Compressibility Factor	ZC	---
15 TEMPERATURE DEPENDENT PROPERTIES		
Property	**DIPPR ID**	**Units**
Heat Capacity of Ideal Gas	ICP	J/(kmol·K)
Heat Capacity of Liquid	LCP	J/(kmol·K)
Heat Capacity of Solid	SCP	J/(kmol·K)
Heat of Vaporization	HVP	J/kmol
Liquid Density	LDN	kmol/m^3
Second Virial Coefficient	SVR	m^3/kmol
Solid Density	SDN	kmol/m^3
Surface Tension	ST	N/m
Thermal Conductivity of Liquid	LTC	W/(m·K)
Thermal Conductivity of Solid	STC	W/(m·K)
Thermal Conductivity of Vapor	VTC	W/(m·K)
Vapor Pressure of Liquid	VP	Pa
Vapor Pressure of Solid or Sublimation Pressure	SVP	Pa
Viscosity of Liquid	LVS	Pa·s
Viscosity of Vapor	VVS	Pa·s