

## 1 Cubic Equations of State and Phase keys

Name	Key	Phase	Key
Van der Waal	VdW		
Soave Redlich Kwong	SRK		
Peng Robinson	PR		
Schmidt-Wensel	SW		
Patel Teja	PT		

Table 1.1: Cubic Equations of state implemented in ThermoPack and the corresponding keys used for initialization.

## 2 Mixing Rules and Phase keys

Name	Key	Phase	Key
Van der Waals	vdW	Two-phase	0
Wong Sandler	WS	Liquid	1
Huron Vidal	HV	Vapor	2
Huron Vidal	HV2	Minimum Gibbs	3
Reid	Reid	Single	4
NRTL	NRTL	Solid	5
UNIFAC	UNIFAC	Fake	6

Table 2.1: Mixing rules and phases available in thermopack, with the corresponding keys used to identify them.