

## Organics, synthesis and cleaning agents

## 816006 (S)-(+)-Valine for synthesis

Formula Hill  $C_5H_{11}NO_2$ 

Chemical formula

Molar mass 117.15 g/mol

Density 1.23 g/cm<sup>3</sup> (20 °C)

pH value ~ 5.5 - 6.5 (100 g/l 20 °C)

Form solid

Color off-white

Odeur weak

Melting point 315 °C

Boiling point

Vapor pressure

Explosion limits

Flash point

Thermal decomposition &gt; 190 °C

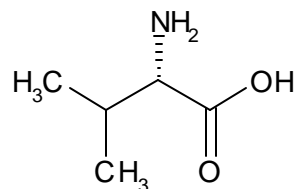
Heat of evaporation

Evaporation number

Ignition temperature

Bulk density ~ 400 kg/m<sup>3</sup>

Refractive index



Solubility in water 85 g/l (20 °C)

Solubility in ethanol (20 °C) almost insoluble

Solubility in chloroform

Water absorption

Saturation conc. (air)

Dielectric constant

Dipole moment

Viscosity dynamical

Viscosity kinematical