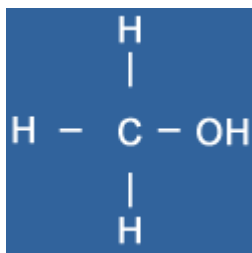


**METHANOL (MEOH)****FORMULA****DESCRIPTION**

METHANOL is a colorless alcohol, hygroscopic and completely miscible with water, but much lighter (specific gravity 0.8). It is a good solvent, but very toxic and extremely flammable.

**SPECIFICATIONS**

Polymer Grade Specifications :

Purity (% wt)	<b>99.85 Minimum</b>	Color (APHA)	<b>5 Maximum</b>
WATER (PPM)	<b>1000 Maximum</b>	Discharge time/ permanganate (minutes)	
Ethanol (ppm)	<b>100 Maximum</b>	Discharge time/ permanganate (minutes)	<b>50 Minimum</b>
Acetone and aldehydes (ppm)	<b>30 Maximum</b>	Specific gravity, at 20/20 °C	<b>0.793 Maximum</b>
Acidity, as acetic acid (ppm)	<b>30 Maximum</b>	Appearance	<b>Free of suspended matter</b>
Non-volatiles (ppm)	<b>10 Maximum</b>		

**PROPERTIES**

This simple single carbon alcohol is a volatile solvent and a light fuel.

Boiling point, at 1.0 Atm (°C)	<b>64.5</b>	Vapor pressure, at 20°C (Kg/cm <sup>2</sup> )	<b>0-128</b>
Freezing point (°C)	<b>-975</b>	Net heating value (Million BTU/Ton)	<b>18-83</b>
Vapor density, at 15°C(Air=1)	<b>1.11</b>		

**APPLICATIONS**

Formaldehyde production is the largest market for methanol, followed by the fast growing market for MTBE. It is also used to produce acetic acid, fuels, solvents and methyle derivatives.

**HAZARDS AND SAFETY**

Methanol is extremely flammable, producing a bluish flame. Blindness and death may result from swallowing more than 10 grams, and it can be absorbed through the skin in toxic amounts.

Threshold limit value (PPM)	<b>200</b>	Ignition temperature (°C)	<b>464</b>
Flash point (°C)	<b>10</b>	Flammable limits (% vol. in air)	<b>6.0-36.5</b>

**STORAGE AND HANDLING**

Storage tanks for methanol are made of carbon steel. Outdoor storage is preferred, with the following safety precautions:

Keep away from ignition sources and excessive heat. Wear goggles, rubber gloves, chemical cartridge respirator, aprons and boots.

**PACKAGING**

Methanol is shipped in steel tanks by large chemical vessels, under regulations for highly flammable liquids. Each shipping container must bear the label "Flammable Liquid", and each tank car must bear a "Dangerous and Poisonous" placard.