

The Chemical Company Methanol

Category : Wood and Natural Products

Material Notes:

Methanol is a liquid chemical with the formula CH₃OH (often abbreviated MeOH). It is colorless, volatile, flammable, and poisonous. Methanol is made from the destructive distillation of wood and is chiefly synthesized from carbon monoxide and hydrogen. Its principal uses are in organic synthesis, as a fuel, solvent, and antifreeze. Methanol is toxic. Drinking 10 ml of the substance will cause blindness; consuming as little as 100 ml will result in death. It is the simplest form of alcohol and has a distinctive odor that is similar to ethanol (drinking alcohol), but slightly sweeter. Methanol is a polar liquid at room temperature. It is used as antifreeze, solvent, fuel, and as a denaturant for ethanol. The chemical is also used to produce biodiesel via transesterification reaction. Because Methanol has toxic properties, it is frequently used as a denaturant additive for ethanol manufactured for industrial purposes. Methanol is frequently called wood alcohol because it was once produced primarily as a byproduct of the destructive distillation of wood. Today, three methods are commonly used to produce synthesis gas from the methane component in natural gas. The methods are steam-methane or SMR, which is endothermic, partial oxidation with molecular oxygen, which is exothermic, and the combination of the two, which is referred to as autothermal reforming. Information provided by The Chemical Company

Order this product through the following link:

http://www.lookpolymers.com/polymer_The-Chemical-Company-Methanol.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.791 - 0.793 g/cc	0.791 - 0.793 g/cc	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Brookfield Viscosity	0.59 cP	0.59 cP	
	@Temperature 20.0 °C	@Temperature 68.0 °F	

Thermal Properties	Metric	English	Comments
Melting Point	-97.0 °C	-143 °F	
Boiling Point	64.7 °C	148 °F	
Distillation Temperature	<= 1.00 °C	<= 33.8 °F	including 64.6 ± 0.1
	@Pressure 0.101 MPa	@Pressure 14.7 psi	
Flash Point	12.0 °C	53.6 °F	closed cup

Component Elements Properties	Metric	English	Comments
Chlorine, Cl	<= 0.050 %	<= 0.050 %	
Iron, Fe	<= 0.010 %	<= 0.010 %	
Sulfur, S	<= 0.050 %	<= 0.050 %	

Chemical Properties	Metric	English	Comments
Acid Value	<= 3.0	<= 3.0	wt% acetic acid

Processing Properties	Metric	English	Comments
Moisture Content	<= 0.10 %	<= 0.10 %	

Descriptive Properties	Value	Comments
Acetone (mg/kg)	< 30	
Alcohol Content	50mg/kg	Ethanol
Appearance	Clear liquid, free of suspended matter	
Assay	= 99.85%	
Carbonizable Substances [Pt-Co Scale]	< 30	
Hazen Color Value (pt-co)	< 5	
Hydrocarbons	Pass	
Permanganate Time (min)	< 8	15°C

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China