Isopropyl Alcohol

Description

Isopropyl alcohol (isopropanol or 2-propanol) is a colorless, flammable compound.

It is a secondary alcohol in which one of the hydrogens attached to the central carbon is replaced with a hydroxyl group.

Properties	Unit	Isopropyl Alcohol	Method
Specification			
Purity	wt %	Min 99.8	Gas chromato.
Color	APHA	Max 5	ASTM D 1209
Water Content	wt ppm	Max 500	ASTM D 1364
Acidity	wt ppm	Max 10	ASTM D 1613
Specific Gravity(20/20℃)		0.785~0.787	ASTM D 1298
KMNO4 Test	min	≥30	ASTM D 1363
Residue after Evaporation	wt ppm	Max 15	ASTM D 1353
Typical Properties			
Molecular Weight	g•mol-1	60.09	
Viscosity	cps(25℃)	2.2	
Boiling Point	℃	82.4	
Freezing Point	℃	-89.5	
Flash Point	℃	13	DIN 51 755
Ignition Temperature	℃	425	
Latent Heat	Kcal/kg	161.6	
Specific Heat	Kcal/kg•℃	0.596	
Lower Explosive Limit	Vol% in air	2	
Upper Explosive Limit	Vol% in air	12	
Critical Pressure	atm	53	
Critical Temperature	℃	235.6	

Summary

Synonym :
2-Propanol
Isopropanol
/
CAS No : 67-63-0
/
EC number : 200-661-7

Chemical Formula

Note

Isopropyl alcohol is used in the various application
- Solvent application
- Chemical intermediates
- Pharmaceuticals
- Cleaning for Semiconductor and LCD glass
- Wafer polishing

Precaution

Avoid contact with heat, sparks, flame or other ignition sources.

Store the product in cool, dry and well ventilated place.
Electrical and instrumentation equipment used in storage/handling areas should be equipped with explosion-proof performance.
When storing in an outdoor storage tank, do N2 Blanketing to prevent contamination.
Since IPA absorbs moisture in the air, cut off contact with the air.
For more information, please refer a material safety data sheet.

Package

Isopropyl alcohol is delivered :
- 17.5~19MT in ISO tank
- 160Kg steel drum in 20ft

Issued Date : 2021-12-11