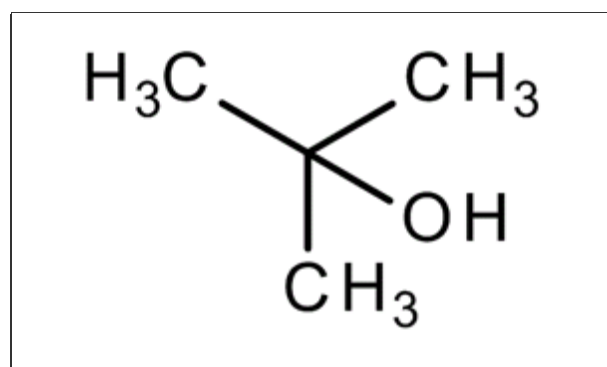


tert-BUTANOL AR/ACS

2-methylpropan-2-ol

Article No.	0059A	Grade	AR/ACS
Purity	99%	CAS No.	75-65-0
Molecular Formula	$(\text{CH}_3)_3\text{COH}$	Molecular Weight	74.12
H.S. Code	2905.1490	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Low melting solid	Colour	Clear Colorless
Odour	camphor	pH value	7
Melting point/ Freezing point [°C]	23 - 26 °C	Auto-ignition temperature [°C]	480 °C
Flammability (solid, gas)	Flammable	Flash point [°C]	11 °C
Boiling point [°C]	83 °C	Evaporation rate	1.05
Vapour pressure [20°C]	41 hPa at 20 °C	Vapour density	2.6
Density [g/cm3]	0.78	Relative density, gas (air=1)	2.56
Solubility in water [% weight]	completely miscible	Viscosity at 40°C [mm2/s]	3.35 mPa @ 30°C
Explosion limits - upper [%]	8%	Explosion limits -lower [%]	2.40%

Specifications

Appearance	Clear liquid
Colour scale	Max 20 APHA
Purity (by GC)	Min 99.0%
Infrared spectrum	Conforms

Packings

500 ml	00500
1000 ml	01000
2500 ml	02500
25 Liters	0025K

Weight/ mL at 30°C	0.773 - 0.778 g
Freezing point	Min 25°C
Water (by KF)	Max 0.1%
Titrate acid	Max 0.001 meq/g
Non-volatile matter	Max 0.001%
Carbonyl compounds (as formaldehyde)	Max 0.01%
Butan-2-ol [C₄H₉(OH)]	Max 0.2%
Copper (Cu)	Max 0.00005%
Iron (Fe)	Max 0.00005%
Lead (Pb)	Max 0.00005%

200 Liters	0200K
2500 ml	02500
2500 ml	02500

Safety Information

Symbol: GHS02, GHS07
Signal Word: Danger
UN No.: 1120
IMCO Class No.: 3.2
Packing Group: II
Hazardous Statement: H225-H319-H332-H335
Precaution Statement: P210-P261-P305 + P351 + P338

Hazard Symbols



Revision Date : 19-Oct-2021

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