

Acetone - R

Identification ¹

CAS Number: 67-64-1

EC Number: 200-662-2

Description

Acetone is a side product of the phenol production via cumene route. Cumene is obtained through a catalytic alkylation of benzene with propylene using solid bed catalyst.

Uses

Main use of Acetone is the production of Acetone Cyanohydrin in Methyl Methacrylate route. Second-largest end-use is production of Bisphenol A, intermediate in the manufacture of Polycarbonate and Epoxy Resins. Other applications include pharmaceutical industry and solvent.

Typical properties

Parameter	Unit	Method	Value
Appearance	-	ASTMD 4176	Clear liquid without suspended material
Water	(w/w)%	ASTM D 1364	<0,3
Density @ 15°C		ASTM D 4052	0,797
Refractive Index @ 20°C		ASTM D 1218	1,3589
Color Pt-Co Scale		ASTM D 1209	3
Benzene	mg/kg	MO 0557 (cap.14)	<2
Distillation		ASTM D 1078 // D 86	
Initial Boiling Point	°C		55,8
Final Boiling Point	°C		56
Purity	(w/w)%	GC	99,7
Flash Point (Closed Cup)	°C	ASTM D 56	-20
Viscosity @ 25°C (Kinematic)	cST	ASTM D 445	0,3522
Acidity (as Acetic Acid)	mg/kg	ASTM D 1613	12
Density @ 20°C	g/cm ³	ASTM D 4052	0,7907
Evaporation rate (butyl acetate =1)			6,06
Auto-ignition temperature	°C		465
pH (Conc (%w/w):10%)		ASTM D 1293	6,6
Auto-ignition temperature	°C		-94,7

*All the data provided does not imply the replacement of the Moeve Specification Sheets or Safety Sheets

¹ For the latest updates on these numbers, please consult the safety data sheet available at: chemicals.moeveglobal.com

Transport

Available in tank trucks, rail-tank, vessels and barges.

Storage and handling

Store in accordance with local regulations.

Tank material: Stainless steel 316. Carbon steel with coatings.

Health and safety

Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep away from heat, sparks, open flames, or any other ignition source. For more safety considerations, refer to the Safety Data Sheet.

For more info, please contact us: techsupport@moevechemicals.com

Moeve Chemicals, S.A.U. Plaza Pablo Ruiz Picasso, 1. Edificio Torre Picasso. 28020 Madrid