



SALES SPECIFICATIONS

APC Product : Acetone
APC Spec. No. : 02-001-0
Effective Date : 1 April 2018

Description

Acetone is the lowest molecular weight member of the ketone family of solvents, low boiling, fast evaporating, colourless and stable liquid.
Acetone have possesses excellent solvent power for most natural and synthetic resins including acrylics, vinyl polymers, nitrocellulose, cellulose acetate, and other cellulose derivatives, it is a popular and effective low-boiling solvent for surface coating applications.
Since most waxes, oils, fats, grease and dye materials are soluble in acetone, it is ideally suitable for extraction media and other end uses.

Specification

<u>Properties</u>	<u>Unit</u>	<u>Test Method</u>	<u>Value</u>
Purity	% wt	GC	99.5 min
Colour (Pt-Cobalt)		ASTM D1209	5 max
Water Content	% m/m	ASTM D1364	0.50 max
Distillation, IBP	°C	ASTM D1078	1.0 max
Distillation, DP	°C	ASTM D1078	Including 56.1
Acidity as acetic acid	% m/m	ASTM D1613	0.002 max
Permanganate time @ 25 °C	minutes	ASTM D1363	30 min

Typical Properties

<u>Properties</u>	<u>Unit</u>	<u>Test Method</u>	<u>Value</u>
Density @ 20 °C	g/ml	ASTM D4052	0.789 - 0.793
Water Miscibility		ASTM D1722	pass
Non-volatile matter	g/100ml	ASTM D1353	0.001 max

Application

Acetone finds application in the manufacture of acetone rayon, photographic films, smokeless powder, artificial leather, dopes, cements and paint remover and as absorbent for compressed acetylene.

A large quantity of acetone also serves as a raw material and/or intermediate in the production of other chemicals, such as methacrylate resins, pharmaceuticals, bisphenol A and solvents.

Application for acetone as a solvent include printing inks, adhesives cleaning and pharmaceuticals and in solvent extraction from seeds, bones and fish.