AQUABOND
Chemistry for Tomorrow

Summary Technical Data Sheet

Acetone

Product Name: Acetone

Synonym: Propanone, Dimethyl ketone, 2-propanone

CAS Number: 67-64-1

Formula: CH_3COCH_3

Appearance: clear liquid

Molecular weight: 58.08 g/mol

Solubility: miscible with water

Meets ASTM D329 Standards

Product Specifications

Test	Method	Specification
Purity of Acetone, dry basis		≥ 99.5%
Appearance	IAC-022	Clear & Free
Acidity, as Acetic Acid	D-1613	≤ 0.002 %
Aldehydes	D-329	Passes Test
Alkalinity, as NH_3	D-1614	≤ 0.001 %
Specific Gravity at 20°C	D-4052	0.7910 – 0.7930
Specific Gravity at 25°C	D-4052	0.7865 – 0.7885
Water content	D-1364	≤ 0.5 %
Color	D-1209	≤ 5 Pt-Co
Distillation Range	D-1078	within 1°C range, including 56.1°C
Nonvolatile Matter	D-1353	≤ 5 mg/100mL
Odor	D-1296	Non-residual
Permanganate time, 25°C	D-1363	> 120 min.
Water miscibility	D-1722	Passes test

Acetone is an organic colourless solvent and one of the simplest ketones with various applications. There are a number of markets in which acetone is used strictly for cleaning purposes since it is a powerful cleaner for removing grime, grease, soil and debris. It has excellent degreasing properties.

Some of the markets that use acetone for cleaning are: aerospace, electronics, coatings, inks, metalworking, welding and fabrication, personal care, and textile. Acetone is used in the personal care and pharmaceutical industry to deliver different ingredients in a product as an excipient. Acetone is used as an excipient and is also used to denature alcohol.

Storage and Handling: Keep containers tightly closed in a cool, dark, ventilated place.

Packaging: 15 kg White Steel Pail

Transport Regulations: UN1090, Hazard Class 3, Packing Group II.

The above information, while not guaranteed, reflects our analysis and believed to be accurate. It is the end user's responsibility, prior to use of the above mentioned product to determine the suitability of the product. Aqua Bond shall not be, directly or indirectly responsible for damages of any nature whatsoever resulting from the use or reliance upon the above information.

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