

Polycraft Acetone



99.5% Minimum Purity Acetone

Revision Date: 22/10/24

Overview

Acetone is widely used across multiple industries due to its excellent solvency properties. It is primarily known for its ability to break down and remove organic substances like oils, greases, and waxes. An important cleaning solvent used in applications involving polyester, vinyl ester, and epoxy resins, making it indispensable in industries such as fiberglass production, automotive repair, and marine applications.

Acetone is often used as a cleaning agent for tools, brushes, and surfaces before bonding or applying primers. However, it is important to note that Acetone will not dissolve or remove resins that have fully cured. Additionally, while Acetone is sometimes employed as a resin thinner, this is generally discouraged due to the risk of pinholes, weak spots, and premature yellowing in the finished product.

Other common uses: Vapour smoothing ABS plastic in 3D printing applications, Removal of nail polish, acrylics etc.

Product Properties

- Appearance: Clear, water-white liquid
- Odor: Characteristic, sweet, pungent
- Specific Gravity @ 25°C: 0.7860-0.7890
- Purity, Wt. %: 99.5 Min
- Water Content, Wt. %: 0.5 Max
- Acidity (as Acetic Acid), Wt. %: 0.002 Max
- Alkalinity, Wt. %: 0.001 Max

Chemical Information

- Molecular Formula: C₃H₆O
- Molecular Weight: 58.08 g/mol
- Boiling Point: 56°C (133°F)
- Melting Point: -95°C (-139°F)
- Flash Point: -20°C (-4°F)
- Vapor Pressure: 24.7 kPa at 20°C
- Auto-ignition Temperature: 465°C (869°F)
- CAS: 67-64-1
- EC-No: 200-662-2

Synonyms

Acetone may also be referred to as:

- β-ketopropane (beta-ketopropane)
- ketone propane
- methyl ketone
- dimethyl ketone
- DMK, dimethyl carbonyl
- propanone
- 2-propanone
- dimethyl formaldehyde
- pyroacetic acid
- pyroacetic ether
- pyroacetic spirit

Storage / Handling

Keep containers tightly closed. Store under cool, dry and well ventilated conditions away from open flames and high temperatures. Keep away from food, drink and animal feedingstuffs, wash hands with soap and water before eating, drinking or using toilet facilities. Observe good industrial hygiene and safe working practices when handling. For further information refer to safety datasheet.

Health & Safety

Before use please read product labels, technical sheets and safety data sheets and ensure you have adequate understanding of the safety precautions and directions before using the materials.