



# Acetone

## 2-Propane, Dimethyl Ketone DMK



### Description

Acetone is a low boiling, fast evaporating, colorless stable liquid. It has excellent solvency power for a number of resins and is an effective low boiling solvent for surface coatings applications.

### Physical properties

Molecular Weight	58.08
Relative Evaporation Rate nBuAc=1	14.4
Vapor Pressure at 20°C, mmHg	185
Density at 20°C lb/gal	6.60
Specific Gravity at 20/20°C	0.7917
Viscosity at 20°C cP	0.33
Surface Tension	
(dynes/cm at 20°C)	-
(dynes/cm at 25°C)	23.1
Hansen Solubility Parameters	
Total	9.8
Non-Polar	7.6
Polar	5.1
Hydrogen Bonding	3.4
Boiling Point, °C at 760mm Hg	56.3
Freezing Point, °C	-94.7
Solubility at 20°C	
%Wt In Water	100
%Wt Water in	100
Closed Cup Flash Point °F	-
SARA 313 (see note 1†)	N
Hazardous Air Pollutant (see note 2††)	N
Electrical Resistivity MΩ	<0.01

† **Note 1:** Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III Section 313

†† **Note 2:** Hazardous Air Pollutants listed under Title III of the Clean Air Act

### Classification/Registry Numbers

CAS Number	67-64-1
EINECS	200-622-2

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### DMK

#### Features

- Excellent solvent for most natural and synthetic resins (acrylics, vinyl, nitrocellulose, cellulose acetate)
- Good solvent for most waxes, oils, fats, greases and dye materials
- Ideally suited for extraction
- Not a VOC

#### Applications

- Printing inks
- Adhesives
- Pharmaceutical
- Cleaning fluids
- Solvent for extraction of oils from bones, fish and seeds
- Acetate rayon solvent
- Smokeless powder
- Artificial leather
- Paint remover
- Absorbent for compressed acetylene
- Chemical intermediate (methacrylate resins, Bisphenol A, pharmaceuticals)

#### How supplied

Region	Packaging	Transport Mode
North America	Bulk	Tank Truck/Tank Car

**The Dow Chemical Company**  
Danbury, Connecticut 06817 U.S.A.

**In the United States and Canada, Product Information: 1-800-447-4369; Fax: 1-989-832-1465; Technical Support: 1-800-SOLVENT**  
**In Europe: +800 3 694 6367; Toll Phone: +32 3 450 2240; Toll Fax: +32 3 450 2815**  
**In the Pacific: +800 7776 7776; Fax: +800 7779 7779**  
**In Other Global Areas: 1-989-832-1556; Fax: 1-989-832-1465**

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