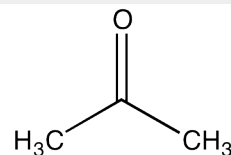


Acetone, 99,8%, anhydrous (max. 0,005% H₂O)

Identification

C₃H₆O
M = 58,08 g/mol
CAS [67-64-1]
EC number: 200-662-2
Tatic code: 2914 11 00



Synonyms

Dimethyl ketone, 2-Propanone

Applications

solvents, analytical chemistry, synthesis of organic products, photography.

Specifications

assay (G.C.).....	min. 99,8 %	germanium (Ge).....	max. 0,02 ppm
identity (IR-spectrum).....	passes test	gold (Au).....	max. 0,02 ppm
density (20°/4°).....	0,787 - 0,791	indium (In).....	max. 0,02 ppm
appearance of solution.....	passes test	iron (Fe).....	max. 0,1 ppm
colour (Hazen).....	max. 10	lead (Pb).....	max. 0,1 ppm
solubility in water.....	passes test	lithium (Li).....	max. 0,05 ppm
insoluble in water.....	passes test	magnesium (Mg).....	max. 0,1 ppm
acidity.....	max. 0,0002 meq/g	manganese (Mn).....	max. 0,02 ppm
alkalinity.....	max. 0,0002 meq/g	molybdenum (Mo).....	max. 0,02 ppm
chlorides (Cl).....	max. 0,00001 %	nickel (Ni).....	max. 0,02 ppm
nitrites (NO ₂).....	max. 0,00001 %	silver (Ag).....	max. 0,02 ppm
phosphates (as PO ₄).....	max. 0,00001 %	thallium (Tl).....	max. 0,02 ppm
sulfates (SO ₄).....	max. 0,00001 %	tin (Sn).....	max. 0,1 ppm
aluminium (Al).....	max. 0,5 ppm	titanium (Ti).....	max. 0,02 ppm
antimony (Sb).....	max. 0,02 ppm	vanadium (V).....	max. 0,02 ppm
arsenic (As).....	max. 0,02 ppm	zinc (Zn).....	max. 0,1 ppm
barium (Ba).....	max. 0,1 ppm	zirconium (Zr).....	max. 0,02 ppm
beryllium (Be).....	max. 0,02 ppm	aldehydes (as HCHO).....	max. 0,002 %
bismuth (Bi).....	max. 0,02 ppm	cyclohexane (G.C.).....	max. 0,1 %
boron (B).....	max. 0,02 ppm	alcohol/diacetone (G.C.).....	max. 0,02 %
cadmium (Cd).....	max. 0,05 ppm	ethanol (G.C.).....	max. 0,01 %
calcium (Ca).....	max. 0,5 ppm	methanol (G.C.).....	max. 0,05 %
chromium (Cr).....	max. 0,02 ppm	2-propanol (G.C.).....	max. 0,05 %
cobalt (Co).....	max. 0,02 ppm	heavy metals (as Pb).....	max. 2 ppm
copper (Cu).....	max. 0,02 ppm	reducing substances.....	passes test
gallium (Ga).....	max. 0,02 ppm	residue on evaporation.....	max. 0,0005 %
		water (K.F.).....	max. 0,005 %

Physical data

- Density: 0,79 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: -95 °C
- Boiling point: 56 °C
- Flash point: < -20 °C
- Ignition temperature: 540 °C
- Vapour pressure: (20 °C) 233 hPa
- Refraction index: (n 20 °C/D) 1,3588
- Viscosity: (25 °C) 0,31 mPas
- Dipolar moment: (20 °C) 2,7 Debye
- Dielectric const.: (25 °C) 20,7
- Evap. heat: (56 °C) 521 KJ/kg
- Saturation conc.: (20 °C) 533 g/m³
- Expl. limit (upper): 13 Vol%
- Expl. limit (lower): 2,6 Vol%
- pH(395 g/l H₂O, 20 °C) 5 - 6

Safety - GHS**Signal Word:** Danger**Hazard Statements:**

H225: Highly flammable liquid and vapour.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

EUH066: Repeated exposure may cause skin dryness or cracking.

Precautionary Statements:

P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.

P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P370+P378: In case of fire: Use ... for extinction.

P405: Store locked up.

P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 3 F1 II • UN 1090 • ACETONE
- IMDG: 3 II • UN 1090 • ACETONE
- IATA/ICAO: 3 II • UN 1090 • ACETONE
- PAX: 305
- CAO: 307
- 15°C - 25°C