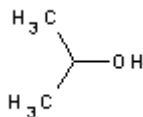
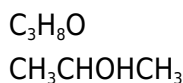




**PRODUCT CODE: 201090**

**2-Propanol (F.C.C.) food grade**  
extraction solvent for industrial food use



M.= 60,10

CAS [67-63-0]

EINECS 200-661-7

TARIC 2905 12 00 00

**SYNONYMS:** Dimethylcarbinol, IPA, Isopropanol, iso-Propyl Alcohol, sec-Propyl Alcohol

**PHYSICAL DATA:** liquid, Clear, Colourless, Miscible with water, alcohol, ether and trichloromethane. • Hygroscopic • D 20/20 0,785 • M.P.: -88,5 °C • B.P.: 82,5 °C • n<sub>20/D</sub> : 1,3772 • Flash P.:11,7 °C • Ign. T.:425 °C • Vap. press. (20 °C) 43 hPa • Viscosity 20 °C 2,27 mPa.s • D. M. 20 °C 1,66 Debye • Dielec. constant 25 °C 18,3 • Heat evap. 82 °C 667 KJ/Kg • Satur. conc. 20 °C 105 g/m<sup>3</sup> • Expl. limit 2 % (V) 12 % (V) •

**BIBLIOGRAPHY:** Merck Index **13**, 5.228 Sax **INJ000** • Safety **2**, **2952 B** • Kühn-Birett **P 35** • Ullmann **(4.)**19, 433 • Beilstein **1**, **360 I**, **183 II**, **375 III**, **1439 IV**, **1461** • BRN 635639 • ACS **XI** • ISO 6353/3-1987R - 87, 62 • BP. **2018** • USP **41** • Ph. Eur. **8.0** (2014) **9.0** (2017) • F.C.C **10 11** • Directive 88/344/E.C.E.92/115/E.C.E.94/52/EC97/60/EC (27/10/1997) 2009/32/CE • Royal Decree 472/1990 (6/4/1990), 2667/1998 (11 /12/1998), 1101/2011 (22/7/2011), JP XVI •

**HAZARDOUS:** C.E: 603-117-00-0 • RTECS: NT 8050000 • LD<sub>50</sub> oral rat >2.000 mg/kg • LC<sub>50</sub> rat >20 mg/l / 8h • LD<sub>50</sub> skn rbt >2.000 mg/kg • VLA-ED 200 ppm 500 mg/m<sup>3</sup> VLA-EC (Spain) 400 ppm 1.000 mg/m<sup>3</sup>

**Derived No Effect Level (DNEL)**

Workers Dermal, long exposure (systemic) 888mg/kg Workers Inhalation, long term (systemic) 500 mg/m<sup>3</sup>  
Population, Dermal, long exposure (systemic) 319mg/kg Population Inhalation, long term (systemic) 89 mg/m<sup>3</sup>  
Population, oral, long term (systemic) 26mg/kg

**Predicted No Effect Concentration (PNEC)**

Freshwater 140.9mg/l Marine water 140.9mg/l Freshwater Sediment 552mg/kg Marine water Sediment 552mg/kg Soil 28mg/kg



H: H225 • H319 • H336 •

P: P243 • P261 • P271 • P303+P361+P353 • P304+P340 • P305+P351+P338 •

**TRANSPORT REGULATIONS:** UN: 1219 • ADR: 3/II • IMDG: 3/II • IATA: 3/II • PAX: 353 • CAO: 364 • (D/E) •

**WEIGHT/VOLUME INFORMATION:** 1l~0,785 kg      1kg~1,274 l

**OBSERVATIONS:** Storage away from direct light. •

### **SPECIFICATIONS:**

Assay (as C <sub>3</sub> H <sub>8</sub> O) , not less than	99,7%
Range of Distillation (including 82.3°C)	1°C
Refractive Index n <sub>20</sub> <sup>°C</sup>	1,377 - 1,380
Specific gravity at 25/25, not more than	0,784
Acidity(as acetic acid), not more than	10 ppm
Non-volatile residue , not more than	10 ppm
Reducing substances of KMnO <sub>4</sub>	passes test
Solubility in water	passes test
Arsenic, not more than	1 ppm
Lead, not more than	1 ppm
Water , not more than	0,2 %

**Specifications Dir. 2009/32/CE, F.C.C. 11**

**For use in foodstuffs according to F.C.C.**