





| Product information | |
|--|---|
| Synonyms | Ethyl alcohol |
| Hill Formula | C ₂ H ₆ O |
| Chemical formula | C ₂ H ₅ OH |
| HS Code | 2207 10 00 |
| EC number | 200-578-6 |
| Molar mass | 46.07 g/mol |
| EC index number | 603-002-00-5 |
| CAS number | 64-17-5 |
| Chemical and physical data | |
| Ignition temperature | 425 °C |
| Solubility | (20 °C) soluble |
| Melting point | -117 °C |
| Molar mass | 46.07 g/mol |
| Density | 0.789 g/cm ³ (20 °C) |
| pH value | 7.0 (10 g/l, H ₂ O, 20 °C) |
| Boiling point | 78 °C (1013 hPa) |
| Vapor pressure | 59 hPa (20 °C) |
| Explosion limit | 3.5 - 15 %(V) |
| Flash point | 17 °C |
| ข้อมูลความปลอดภัยตามกฎหมาย GHS | |
| Hazard Statement(s) | H225: Highly flammable liquid and vapour. |
| Precautionary Statement(s) | P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P403 + P235: Store in a well-ventilated place. Keep cool. |
| Signal Word | Danger |
| Hazard Pictogram(s) |  |
| RTECS | KQ6300000 |
| Storage class | 3 Flammable liquids |
| WGK | WGK 1 slightly water endangering |
| Safety information | |
| R Phrase | R 11 Highly flammable. |
| S Phrase | S 7-16 Keep container tightly closed.Keep away from sources of ignition - No smoking. |
| Categories of danger | highly flammable |
| Hazard Symbol |  Flammable |
| Transport information | |
| Declaration (railroad and road) ADR, RID | UN 1170 ETHANOL, 3, II |
| Declaration (transport by sea) IMDG-Code | UN 1170 ETHANOL, 3, II |
| Declaration (transport by air) IATA-DGR | UN 1170 ETHANOL, 3, II |
| Toxicological data | |
| LD 50 oral | LD50 rat 6200 mg/kg |