

# Magnesium perchlorate

**Inchi:** InChI=1S/2ClHO4.Mg/c2\*2-1(3,4)5;/h2\*(H,2,3,4,5);/q;;+2/p-2  
**InchiKey:** MPCRDALPQLDDFX-UHFFFAOYSA-L  
**Formula:** Cl<sub>2</sub>H<sub>2</sub>MgO<sub>9</sub>  
**SMILES:** [O-][Cl+3]([O-])([O-])O[Mg]O[Cl+3]([O-])([O-])[O-]  
**Mol. weight [g/mol]:** 241.22  
**CAS:** 10034-81-8

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C10034818&Units=SI>

**Apparent molar volumes and compressibilities of alkaline earth** <https://www.doi.org/10.1016/j.jct.2010.04.013>

**Densities, ultrasonic velocity, electrical conductivity, viscosity, and Raman** <https://www.doi.org/10.1021/jc800463k>

**Spectra of Methanolic Mg(ClO<sub>4</sub>)<sub>2</sub>,  
Mg(NO<sub>3</sub>)<sub>2</sub>, and Mg(OAc)<sub>2</sub> Solutions:**

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