

# Antimony pentachloride

|                             |   |
|-----------------------------|---|
| <b>Other names:</b>         | SbCl <sub>5</sub><br>Antimony(V) chloride<br>Antimony chloride<br>Antimony chloride (SbCl <sub>5</sub> )<br>Antimonpentachlorid<br>Antimoonpentachloride<br>Antimony perchloride<br>Pentachloroantimony<br>Pentachlorure d'antimoine<br>Perchlorure d'antimoine<br>UN 1730<br>Antimony pentachloride (SbCl <sub>5</sub> ) |
| <b>Inchi:</b>               | InChI=1S/5ClH.Sb/h5*1H;/q;;;;;+5/p-5  |
| <b>InchiKey:</b>            | VMPVEPPRYRXYNP-UHFFFAOYSA-I   |
| <b>Formula:</b>             | Cl <sub>5</sub> Sb  |
| <b>SMILES:</b>              | Cl[Sb](Cl)(Cl)(Cl)Cl  |
| <b>Mol. weight [g/mol]:</b> | 299.02  |
| <b>CAS:</b>                 | 7647-18-9   |

## Physical Properties

| Property code | Value        | Unit | Source       |
|---------------|--------------|------|--------------|
| ie            | 10.80        | eV   | NIST Webbook |
| ie            | 11.47 ± 0.15 | eV   | NIST Webbook |

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C7647189&Units=SI>

## Legend

**ie:** Ionization energy

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