

## SPECIFICATION

### Oleum

Parameters	Specification
CAS Number	8014-95-7
Appearance	Fuming, viscous liquid
Molecular Formula	H <sub>2</sub> SO <sub>4</sub> .SO <sub>3</sub>
Molecular Weight	178.14 g/mol
Boiling Point	338 °C
Melting Point	-5 °C
Flash Point	300 °C
Purity	98–99%
Refractive Index	1.43
Solubility	Reacts violently with water; miscible with water
Uses	Used in the production of sulfuric acid and in sulfonation reactions; effective sulfonating and nitrating agent in chemical synthesis



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