

## SPECIFICATION

### Chlorosulfonic Acid

Parameters	Specification
CAS Number	7790-94-5
Appearance	Colorless to pale yellow, fuming liquid
Molecular Formula	ClHO <sub>3</sub> S
Molecular Weight	116.52 g/mol
Boiling Point	203 °C
Melting Point	-40 °C
Flash Point	150 °C
Purity	98–99%
Refractive Index	1.46
Solubility	Reacts violently with water; miscible with many organic solvents
Uses	Sulfonating agent for preparation of sulfonated polymers, detergents, and specialty chemicals; reagent in organic synthesis

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