



## Gwalior Chemical Industries Limited

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### Thionyl Chloride

Synonyms	:	Sulfur chloride oxide, Sulfurous oxychloride, Sulfinyl chloride, Sulfurous dichloride, Thionyl dichloride
Molecular formula	:	$\text{SOCl}_2$
Molecular weight	:	119
UN Code no.	:	1836
IMCO Class no.	:	8121
CAS no.	:	7719-09-7
Appearance	:	Colourless to pale yellow fuming liquid
Odour	:	Suffocating odour
Purity	:	99.6% (Min.)
Sulphur chlorides	:	0.05% (Max.)
Sulphuryl Chloride	:	0.15% (Max.)
Sulphur Dioxide	:	0.30% (Max.)
Iron	:	5 ppm (Max.)
Residue on ignition	:	0.01% (Max.)
Distillation range	:	95% distills between 74 <sup>o</sup> to 78 <sup>o</sup> C
Specific Gravity at 20 <sup>o</sup> C	:	1.62 to 1.64
Packing	:	300 kgs in Galvanised Iron drums Road tankers.

