

Typical Product Specifications & Properties

Thionyl Chloride

CAS Number: : 7719-09-7

Specifications	Limits
Molecular weight	118.97
EINECS	231-748-8
SMILES	<chem>S(=O)(Cl)Cl</chem>
InChI	1S/Cl2OS/c1-4(2)3
InChIKey	FYSNRJHAOHDILO-UHFFFAOYSA-N
Color	=50(APHA)
Stability	Reacts violently with water. Incompatible with most common metals, strong reducing agents, strong bases, alcohols, amines.
Vapor Pressure	97 mm Hg (20 °C)
Storage Temperature	Store at room temperature.
Form	Liquid
Melting Point	-105 °C
Refractive Index	1.518



Specifications	Limits
Merck	14,9348
Flash Point	105°C
Sensitive	Moisture Sensitive
Boiling Point	79 °C
Water solubility	REACTS
Density	1.64 g/mL at 20 °C
Solubility	Miscible with toluene, chloroform, benzene, carbon tetrachloride and diethyl ether.