



Lee & Man Chemical

Product name: thionyl chloride

Molecular formula: SOCl_2

Molecular weight: 118.97

Appearance and properties: colorless to light yellow transparent fuming liquid with irritating odor.

Main use: Mainly used in the manufacture of acyl chlorides, and also used in the production of pesticides, medicines, dyes, etc.

Inspection standard: HG/T 3788-2013

Technical parameters: thionyl chloride meets the following requirements:

item	fine quality	certified products
Chroma (K_2CrO_4)	1#	2#
Boiling range ($75^\circ\text{C} \sim 80^\circ\text{C}$) v/%	≥ 99.0	≥ 98.0
Distillation residue w/%	0.001	0.005

Packaging and Storage:

Store in a cool, ventilated warehouse. The storage temperature should not exceed 30°C , and the relative humidity should not exceed 75%. Keep container tightly closed. It should be stored separately from alkalis, etc., and should not be mixed. Storage areas should be equipped with emergency release equipment and suitable containment materials. The packaging should be complete and the loading should be secure at the time of shipment. During transportation, make sure that the container does not leak, collapse, fall or be damaged. It is strictly forbidden to mix and transport with alkalis, edible chemicals, etc. The transport vehicle shall be equipped with leakage emergency treatment equipment during transportation. During

transportation, it should be protected from exposure to sunlight, rain, and high temperature. When transporting by road, it is necessary to drive according to the prescribed route, and do not stop in residential areas and densely populated areas.