

Thionyl chloride (CAS 7719-09-7) Market Research Report 2025

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Abstracts

Thionyl chloride (CAS 7719-09-7) Market Research Report 2025 presents comprehensive data on Thionyl chloride markets globally and regionally (Europe, Asia, North America etc.)

The report includes Thionyl chloride description, covers its application areas and related patterns. It overviews Thionyl chloride market, names Thionyl chloride producers and indicates its suppliers.

Besides, the report provides Thionyl chloride prices in regional markets.

In addition to the above the report determines Thionyl chloride consumers in the market.

BAC Reports offers its clients in-depth market research of chemical industry products on the global and regional markets (North & Latin America, Asia Pacific, European Union, Russia and CIS).

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capacities and production

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existing technologies

feedstock market condition

market news digest

market forecast.

Thionyl chloride (CAS 7719-09-7) Market Research Report 2025 can feature:

market condition and estimations, market forecast

chemical product ranges, trademarks, analogous products, application areas

regional and global producers, consumers and traders (including contact details).

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*Please note that Thionyl chloride (CAS 7719-09-7) Market Research Report 2025 is a half ready publication and contents are subject to change. It only requires updating with the help of new data that are constantly retrieved from Publisher's databases and other sources. This updating process takes 5-7 business days after order is placed. Thus, our clients always obtain a revised and updated version of each report. Please also note that we do not charge for such an updating procedure. BAC Reports has information for more than 25,000 different chemicals available but it is impossible to have all reports updated immediately. That is why it takes 5-7 days to update a report after an order is received.

About

Product Name:	Thionyl chloride
Synonyms:	Sulfinyl chloride
	Sulfur chloride oxide
	Sulfurous dichloride
	Sulfurous oxychloride
	Thionyl dichloride
	Sulfur oxychloride
CAS#:	7719-09-7
Formula:	Cl ₂ OS
Molecular Weight:	118.97
Appearance:	Colorless to yellow to reddish liquid with a pungent odor of sulfur dioxide.
Usage:	For making acyl chlorides, to replace hydroxide of sulfhydryl groups with chlorine atoms.

Thionyl chloride (sulfinyl chloride, sulfur oxychloride, thionyl dichloride, sulfurous dichloride) refers to an inorganic compound with the molecular formula Cl₂OS. Thionyl chloride is a colorless to pale or reddish, non-flammable, distillable liquid with a pungent smell. The liquid is miscible with benzene, chloroform, carbon tetrachloride, reacts with water to release hydrogen chloride and sulfur dioxide.

Thionyl chloride is produced by the reaction of sulfur trioxide and sulfur dichloride and by syntheses from phosphorus pentachloride, chlorine, or phosgene.

The compound is used as a chlorinating agent, a major inorganic intermediate used in the chemical industry. Thionyl chloride is used in herbicides, surfactants, drugs, vitamins, and dyestuffs production; in manufacturing of thermoplastics made from iso- and terephthaloyl chlorides. Thionyl chloride takes part in the formation of the useful

and highly reactive carboxylic acid chlorides, aromatic sulfochlorides and alkyl chlorides. Besides, thionyl chloride is applied in the synthesis of alkyl chlorides from aliphatic alcohols that are used in protecting agents, dyestuffs and pharmaceutical active ingredients production. Thionyl chloride is used in lithium-thionyl chloride batteries production.

Thionyl chloride is considered as an irritant and causes severe side health effects such as burns and damage to eyes, irritation to skin, abdominal pain, nausea, vomiting, coughing, wheezing not to mention burning sensation, dermatitis, rhinitis, and pneumonitis.

Thionyl chloride market is covered in the study Thionyl chloride (CAS 7719-09-7) Market Research Report 2025. The report encompasses proper description of the product, unveils application areas, and briefly summarizes patents in the sphere. It overlooks thionyl chloride market situation, names manufacturers, suppliers as well as users. The report also provides current thionyl chloride prices in the market.

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