

# Trifluoromethanesulfonic anhydride (CAS 358-23-6) Market Research Report 2025

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## Abstracts

Trifluoromethanesulfonic anhydride (CAS 358-23-6) Market Research Report 2025 presents comprehensive data on Trifluoromethanesulfonic anhydride markets globally and regionally (Europe, Asia, North America etc.)

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

Besides, the report provides Trifluoromethanesulfonic anhydride prices in regional markets.

In addition to the above the report determines Trifluoromethanesulfonic anhydride 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).

We can analyze the following elements for each chemical product in any country or region:

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market price trends

exports and imports

existing technologies

feedstock market condition

market news digest

market forecast.

Trifluoromethanesulfonic anhydride (CAS 358-23-6) 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 Trifluoromethanesulfonic anhydride (CAS 358-23-6) 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:	Trifluoromethanesulfonic anhydride
Synonyms:	Methanesulfonic acid, trifluoro-, anhydride
	Perfluoromethanesulfonic anhydride
	Triflic acid anhydride
	Trifluoromethylsulfonic acid anhydride
	Trifluoromethylsulfonic anhydride
	Trifluoromethane Sulfonic anhydride
	Trifluoromethanesulphonic anhydride
	Triflic anhydride
	Triflate anhydride

CAS#:	358-23-6
Formula:	$C_2F_6O_5S_2$
Molecular Weight:	282.14
Appearance:	Clear, colorless liquid.
Usage:	Will convert phenols into a triflic ester, which enables cleavage of the c-o bond.

Trifluoromethanesulfonic anhydride is a particularly strong electrophile with the molecular formula  $C_2F_6O_5S_2$  and molecular weight 282.13. The chemical compound occurs as a colorless or yellow liquid with a sharp odor. Trifluoromethanesulfonic anhydride has a melting point of  $-80^{\circ}C$ , flash point of  $81-83^{\circ}C$  and boiling point of  $81-83^{\circ}C$ . Trifluoromethanesulfonic anhydride is produced by dehydration of triflic acid in the presence of phosphorus pentoxide.

The product is mainly employed as a reagent in the synthesis of alkyl and vinyl triflates and for stereoselective synthesis of mannosazide methyl uronate donors. Moreover, trifluoromethanesulfonic anhydride finds its application in glycosylation for synthesis of polysaccharides as a catalyst and as an activator in direct glycosylation with anomeric hydroxy sugars.

Trifluoromethanesulfonic anhydride can cause an irritation or damage of eye tissues. The contact of the product with the skin may lead to the degreasing of the skin with further irritation and dermatitis. The ingestion of trifluoromethanesulfonic anhydride may result in bronchopneumonia or pulmonary edema. Irritation of eyes and the respiratory tract, headache, vertigo, anesthesia are amid potential health effects caused by the inhalation of trifluoromethanesulfonic anhydride.

Trifluoromethanesulfonic anhydride market is covered in the study *Trifluoromethanesulfonic anhydride (CAS 358-23-6) Market Research Report 2025*. The report encompasses proper description of the product, unveils application areas, and briefly summarizes patents in the sphere. It overlooks trifluoromethanesulfonic anhydride market situation, names manufacturers, suppliers as well as users. The report also provides current trifluoromethanesulfonic anhydride prices in the market.

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