

TRIFLUOROMETHANESULFONIC ACID (CAS 1493-13-6) Market Research Report 2025

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Abstracts

TRIFLUOROMETHANESULFONIC ACID (CAS 1493-13-6) Market Research Report 2025 presents comprehensive data on TRIFLUOROMETHANESULFONIC ACID markets globally and regionally (Europe, Asia, North America etc.)

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

Besides, the report provides TRIFLUOROMETHANESULFONIC ACID prices in regional markets.

In addition to the above the report determines TRIFLUOROMETHANESULFONIC ACID 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:

capacities and production

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market price trends

exports and imports

existing technologies

feedstock market condition

market news digest

market forecast.

TRIFLUOROMETHANESULFONIC ACID (CAS 1493-13-6) 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 ACID (CAS 1493-13-6) 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 ACID

Synonyms:

Fluorad FC 24

Perfluoromethanesulfonic acid

Trifluoromethanesulfonic acid

Trifluoromethylsulfonic acid

Trimsylate

Trifluoromethanesulphonic acid

Trifluoro-Methanesulfonic acid

Trifluoroacetic Anhydride

Triflic acid

CAS#: 1493-13-6

Formula: $\text{CHF}_3\text{O}_3\text{S}$

Molecular Weight: 150.08

Appearance: Clear very light yellow liquid. Strong pungent odor.

Usage: One of a number of ‘superacids.’ It is about 1000 times stronger than sulfuric acid.

Trifluoromethanesulfonic acid (triflic acid) is a sulfonic acid with the molecular weight 150.07 and molecular formula $\text{CHF}_3\text{O}_3\text{S}$. Trifluoromethanesulfonic acid occurs as a colorless liquid with a pungent smell. Boiling point of the acid is 162°C , and a melting point is -40°C . Trifluoromethanesulfonic acid dissolves in polar solvents. Industrially, the product is manufactured by electrochemical fluorination (ECF) of methanesulfonic acid.

Trifluoromethanesulfonic acid is used mainly as a catalyst for esterification. It also employed in non-aqueous acid-base titration as an acidic titrant. Moreover, trifluoromethanesulfonic acid finds its application in protonations.

Trifluoromethanesulfonic acid causes irritation and can produce damage to eye tissues. The acid also can provoke degreasing of the skin with further irritation and dermatitis. Ingestion of the product may lead to bronchopneumonia and pulmonary edema. Inhalation of trifluoromethanesulfonic acid can result in irritation of the respiratory tract and eyes. Headache, dizziness and related health effects are also amid the side effects caused by inhalation.

Trifluoromethanesulfonic acid market is covered in the study **TRIFLUOROMETHANESULFONIC ACID (CAS 1493-13-6) 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 acid market situation, names manufacturers, suppliers as well as users. The report also provides current trifluoromethanesulfonic acid prices in the market.

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