

Bis(TriFluoromethaneSulfonyl)imide Aqueous Solution (TFSIH AQ)



Product Data Sheet APF PDS TFSIH AQ – Jan. 2015

TFSIH AQ is a colorless to slightly yellow liquid.

Identification:

N° CAS:	82113-65-3
SYNONYM:	
EMPIRICAL FORMULA:	$C_2F_6HNO_4S_2$
MOLECULAR WEIGHT:	MW = 281.15 g/mol

Specifications:

CHARACTERISTICS	LIMITS	METHODS
Appearance	Colorless to slightly yellow liquid	Visual
Sum of other organic impurities	500 ppm max	Ionic Chromatography
Assay	70.0% (w/w) Min	Acidimetry
Water	30.0% (w/w) Max	Karl-Fischer
Chlorides	20 ppm Max	Ionic Chromatography
Fluorides	20 ppm Max	Ionometry
Sulphates	20 ppm Max	Ionic Chromatography

The analytical methods used are described in our current quality control standards. Based on our rigorous process control and capabilities, some of these analyses can be performed on a statistical frequency. For the analyses performed on a statistical basis, the frequency is specified on the Certificate of Analysis.

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Applications:

Mainly used as intermediate to prepare ionic liquid. Also used as acid catalyst in organic synthesis.

Shelf Life:

The product is guaranteed **24 months** from its manufacturing date, kept in the unopened packaging of origin and in the standard transportation and storage conditions.

It is recommended to keep the product in its original tightly closed container, in a cool, well-ventilated area.

Transport:

Regulated. For more details please consult our Safety Data Sheet.

Packaging:

HDPE drum, 25 kg net weight.

For other packaging, please consult your commercial contact.

Physico Chemical Properties:

Melting point	< -8°C
Boiling point	from 100°C
Relative density at 20°C (water = 1).....	1,55

Regulatory Status:

TFSIH is registered in the following inventories: TSCA (USA), DSL (Canada), IECSC (China).



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