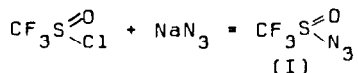


PREPARATION AND REACTIONS OF TRIFLUOROMETHYL-SULFUR OXIDE
NITRIDE

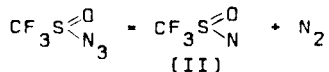
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In the reaction of CF_3SOCl with NaN_3 or $(\text{CH}_3)_3\text{SiN}_3$, the azide, CF_3SON_3 (I) is formed:



Upon gentle warming to room temperature, (I) decomposes under evolution of N_2 to give CF_3SON (II),



which however oligomerizes instantaneously. The monomeric nitride(II) can be captured in the presence of reactive halogene compounds to yield N-substituted trifluoromethan-imino sulfonyl chlorides. With CH_3CN , a six-membered ring compound is obtained:

