

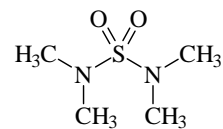
1850  
ED

**C<sub>4</sub>H<sub>12</sub>N<sub>2</sub>O<sub>2</sub>S**

***N,N,N',N'*-Tetramethylsulfuric diamide**

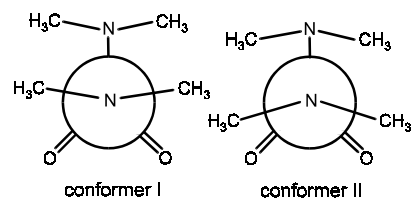
**C<sub>2v</sub>** (conformers I  
and II) assumed

$r_a$	$\text{\AA}^a$	$\theta_a$	deg <sup>a)</sup>
S–N	1.651(3)	S–N–C	115.2(11)
S=O	1.432(10)	C–N–C	118.0(32)
N–C	1.475(13)	N–S–N	110.5(13)
C–H	1.114(5)	O=S=O	114.7(25)



A mixture of conformers I and II (see figure) in a ratio of 79:21 gives the best agreement with experimental data. The measurements were made at about 100 °C.

<sup>a)</sup> Estimated total errors.



Hargittai, I., Vajda, E., Szöke, A.: J. Mol. Struct. **18** (1973) 381.