

1440  
MW

**C<sub>3</sub>H<sub>12</sub>AlN**

**Trimethylamine – aluminum hydride (1/1)**

**C<sub>3v</sub>**  
(CH<sub>3</sub>)<sub>3</sub>N · AlH<sub>3</sub>

$r_s$	Å	$\theta_s$	deg
N–C	1.487(2)	Al...N–C	109.9(2)
Al–H	1.585(2)	N...Al–H	98.1(6)
Al...C	2.063 <sup>a)</sup>		

<sup>a)</sup> Assumed.

Warner, H.E., Wang, Y., Ward, C., Gillies, C.W., Interrante, L.: J. Phys. Chem. **98** (1994) 12215.

ED

$r_a$	Å <sup>a)</sup>	$\theta_a$	deg <sup>a)</sup>
N–C	1.476(3)	Al...N–C	109.0(3)
Al–H	1.560(11)	N...Al–H	104.3(11)
Al...N	2.063(8)	N–C–H	107.6(7)
C–H	1.108(3)		

Local C<sub>3v</sub> symmetry was assumed for the N–CH<sub>3</sub> groups.  
The C–H bonds were assumed to be staggered with respect to the N–C bonds.

The nozzle temperature was ≈95 °C.

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

Almenningen, A., Gundersen, G., Haugen, T., Haaland, A.: Acta Chem. Scand. **26** (1972) 3928.

**C<sub>3v</sub> assumed**

