

1445  
ED

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

**Trimethylgallium – ammonia (1/1)**

$r_g$	Å <sup>a)</sup>	$\theta$ <sup>b)</sup>	deg <sup>a)</sup>
Ga...N	2.161(22)	Ga...N-H	109.0 °)
Ga-C	1.979(3)	N...Ga-C	101.8(62)
N-H	1.045 °)	Ga-C-H	111.3(16)
C-H	1.109(7)	$\phi_1$ <sup>d)</sup>	37.5(224)
		$\phi_2$ <sup>e)</sup>	60.0 °)

Local C<sub>3v</sub> symmetry with no tilt was assumed for the CH<sub>3</sub> groups and the NH<sub>3</sub> group, and local C<sub>3v</sub> symmetry was assumed for the NGaC<sub>3</sub> skeleton.

The nozzle temperature was 25 °C.

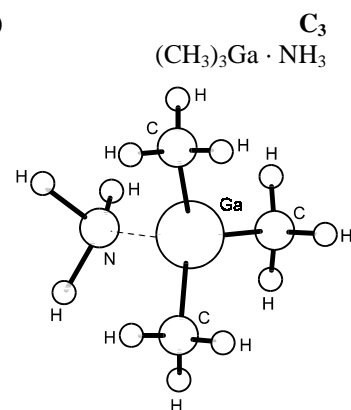
<sup>a)</sup> Twice the estimated standard errors including the scale error.

<sup>b)</sup> Undefined, possibly  $\theta_a$ .

<sup>c)</sup> Assumed.

<sup>d)</sup> Torsional angle H-C-Ga...N.

<sup>e)</sup> Torsional angle H-N...Ga-C.



Almond, M.J., Jenkins, C.E., Rice, D.A., Hagen, K.: J. Organomet. Chem. **439** (1992) 251.