

Stoff	Formel	Molgew.
Aluminium	Al	26.9815
Ammoniumdinitramid (ADN)	N <sub>4</sub> H <sub>4</sub> O <sub>4</sub>	124.056
Glycidylazid-Polymer (GAP)	C <sub>3</sub> H <sub>5</sub> N <sub>3</sub> O	99.0914

16Al	+	15N <sub>4</sub> H <sub>4</sub> O <sub>4</sub>	+	4C <sub>3</sub> H <sub>5</sub> N <sub>3</sub> O
431.704g		1860.84g		396.3656g
16.06%		69.20%		14.74%

C<sub>12</sub>H<sub>80</sub>N<sub>72</sub>O<sub>64</sub>Al<sub>16</sub> = 12C + 40H<sub>2</sub>O + 36N<sub>2</sub> + 8Al<sub>2</sub>O<sub>3</sub>  
 2688.91g 76 \* 22.424 = 1704.2 Liter

C:5.35%      H:3.00%      N:37.50%      O:38.08%      Al:16.06%

O-Bilanz:                    -14.27%  
 Normalgasvolumen:      633.8 Liter / kg

Stoff	Formel	Molgew.
Aluminiumhydrid	AlH <sub>3</sub>	30.0055
Ammoniumdinitramid (ADN)	N <sub>4</sub> H <sub>4</sub> O <sub>4</sub>	124.056
Bisazidomethyloxetan (BAMO)	C <sub>5</sub> H <sub>8</sub> N <sub>6</sub> O	168.157

18AlH <sub>3</sub>	+	13N <sub>4</sub> H <sub>4</sub> O <sub>4</sub>	+	2C <sub>5</sub> H <sub>8</sub> N <sub>6</sub> O
540.093g		1612.73g		336.316g
21.70%		64.79%		13.51%

C<sub>10</sub>H<sub>122</sub>N<sub>64</sub>O<sub>54</sub>Al<sub>18</sub> = 10C + 61H<sub>2</sub> + 32N<sub>2</sub> + 9Al<sub>2</sub>O<sub>3</sub>  
 2489.141g 93 \* 22.424 = 2085.4 Liter

C:4.82%      H:4.93%      N:36.01%      O:34.71%      Al:19.51%

O-Bilanz:                    -34.63%  
 Normalgasvolumen:      837.8 Liter / kg