

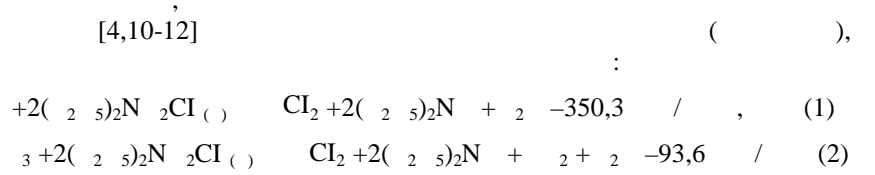
• • , • • , , ,  
 • • , • • , , ,

, , 296,15 1<sub>2</sub> -  
 3\* 482,15 -

A thermodynamic possibility found of course of solid-phase interaction reactions between diethylamine chloride, calcium oxide and carbonate. Formation reaction of solid CaCl<sub>2</sub> is shown to take place at a substantial rate already at temperatures above 296,15 K for CaO and above 482,15 K for CaCO<sub>3</sub>.

(8 - 10<sup>3</sup>/ ) (220-250 / ) [1, 2],  
 N<sub>3</sub> ,  
 N<sub>3</sub> 99 %  
 ( ) [3 - 5].

[6],  
 ,  
 [7-10].



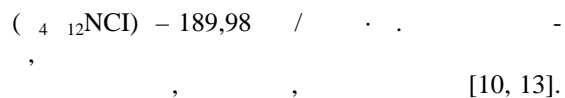
1, 2 -  
 -  
 (-<sup>0</sup><sub>298</sub>) (S<sup>0</sup><sub>298</sub>)  
 1, 2,

[7, 10, 11, 13].



[9, 10, 12],

S<sup>0</sup><sub>298</sub>



	- <sup>0</sup> <sub>298</sub> /	S <sup>0</sup> <sub>298</sub> /
	- 635,0	39,77
( 2 5) <sub>2</sub> N <sub>2</sub> Cl	- 357,07	189,98
Cl <sub>2</sub>	- 797,85	92,09
( 2 5) <sub>2</sub> N	- 71,16	352,4
2	- 241,95	188,9
3	- 1218,08	92,09
2	- 393,77	213,32

( G<sup>0</sup> ) :

$$G^0 = S^0_{298} - S^0_{298}, \quad (3)$$

$$G^0 = -RT \ln , \quad (4)$$

; R - 8,31469 / ;

[8,9]. ( 2.)



1, 2, 23° (296,15 )

209° (482,15 )

3.

1 2.

1.

G<sup>0</sup> 1 2.

	293,15	296,15	323,15	373,15	423,15	473,15	478,15	482,15	523,15	573,15
	G <sup>0</sup> , /									
( 2 5) <sub>2</sub> N <sub>2</sub> Cl	1632	0	-2,9·10 <sup>4</sup>	-4,3·10 <sup>4</sup>	-7,1·10 <sup>4</sup>	-10·10 <sup>4</sup>	-	-	-1,5·10 <sup>5</sup>	-1,6·10 <sup>5</sup>
( 2 5) <sub>2</sub> N <sub>2</sub> +	5·10 <sup>1</sup>	1	294,9	1,2·10 <sup>6</sup>	7,1·10 <sup>8</sup>	1,1·10 <sup>11</sup>	-	-	6,2·10 <sup>12</sup>	1,8·10 <sup>14</sup>
	G <sup>0</sup> , /									
( 2 5) <sub>2</sub> N <sub>2</sub> Cl	-	-	-	-	-	6,6·10 <sup>3</sup>	2,9·10 <sup>3</sup>	0	-2,1·10 <sup>4</sup>	-6,6·10 <sup>4</sup>
( 2 5) <sub>2</sub> N <sub>2</sub> +	-	-	-	-	-	2·10 <sup>-2</sup>	1,8·10 <sup>-1</sup>	1,0	6,9·10 <sup>6</sup>	7,4·10 <sup>3</sup>

: 1.

-287 . 2. , 1975. Sarajevo.:Forschungs nst tut für Bergbau und Chem sche Technolog e Tuzla, 1968. - 543s. 4.

», 0194 235216. - , 1991. -110 . 5. «  
 : « , 2001. - .72. - .10-21. 6. .2940614. . 01 7/16. .6.10. 79, . 9.04. 81. 7. .  
 . - 1968. - 472 . 8. . - 1975. - 535 . 9. . - 1950. - 175 . 10. . - 1971. - 528 . 11. . - 1970. - .4, .1. - 540 .  
 12. ( )/ «  
 », 01890067899. - , 1999. - 123 . 13. . - 1969. - 83 .