

**(Material Safety Data Sheet)**

: 2005. 10. 05

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<p>N,N - (N,N - DIMETHYLFORMAMIDE)</p>	<p>N - (N - FORMYLDIMETHYLAMINE); (DIMETHYLFORMAMIDE); N,N - (N,N - DIMETHYLMETHANAMIDE); (FORMYLDIMETHYLAMINE); DMF( )(DMF (AMIDE)); DMFA; DMF; C3H7NO; UN 2265; OHS07860;</p>

CAS NO	RTECS NO	UN NO	EN NO
68 - 12 - 2	LQ2100000	2265	200 - 679 - 5

1.

: N,N - (N,N - ) (N,N - DIMETHYLFORMAMIDE)

/ :

N - (N - FORMYLDIMETHYLAMINE);  
(DIMETHYLFORMAMIDE);  
N,N - (N,N - DIMETHYLMETHANAMIDE);  
(FORMYLDIMETHYLAMINE); DMF( )(DMF (AMIDE)); DMFA; DMF;  
C3H7NO; UN 2265; OHS07860; RTECS LQ2100000

:

: 1985.5.3

: 2005.10.05

2.

: N,N - (N,N - ) (N,N - DIMETHYLFORMAMIDE)

CAS : 68 - 12 - 2  
(EC) (EINECS): 200 - 679 - 5

EC : 616 - 001 - 00 - X  
(%): 100

3.

NFPA (0 - 4 ): =2 =2 =0



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: 가

가

가

: 136 F (58 ) (CC)

: 2.2% at 100

: 15.2% at 100

: 833 F (445 )

(OSHA): II

6.

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7.

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: U.S. OSHA

29 CFR 1910.106.

8.

:

N,N- (N,N- ) (N,N - DIMETHYLFORMAMIDE):

:

- TWA : 10ppm, 30mg/m<sup>3</sup>

- STEL : -

10 ppm (30 mg/m<sup>3</sup>) OSHA TWA ( )

10 ppm ACGIH TWA ( )

10 ppm (30 mg/m<sup>3</sup>) NIOSH TWA 10 ( )

30 mg/m<sup>3</sup> (10 ml/m<sup>3</sup>) DFG MAK ( - II, 2) ( )

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10.

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 : ,가 , , , ,  
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11.

N,N - (N,N - ) (N,N - DIMETHYLFORMAMIDE):

100 /24 - ; 100 mg - ; 100  
 - ; 0.1 -

3421 ppm/1 - LC50

2800 mg/kg - LD50

5 g/kg - LD50

4720 mg/kg - LD50

9400 mg/m<sup>3</sup>/2 - LC50

2900 mg/kg - LD50

: (IARC): ,  
 가 , 3; ACGIH: A4 -

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가 : , ,

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가 : .

12.

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 : 300 ug/L 96 LC50 ( )

: 24 ug/L 48 EC50 ( )

: 10 ug/L 3 NOEC ( ) , ,  
: 0.1 ug/L 1 ( )  
( ) :  
: 1692 ug/L 10 BCF ( ) 50 ug/L  
:  
.

13.  
: U.S. EPA 40 CFR 262.  
: D001.

14.  
DOT( ) 49 CFR( ) 172.101:  
: N,N- (N,N- )  
ID : UN2265  
: 3  
: III  
: 3

15.  
N,N- (N,N- )(N,N - DIMETHYLFORMAMIDE)  
:  
- : , ,  
- : " - "  
- : 4 2  
:  
CERCLA 103 (40CFR302.4):  
N,N- (N,N- )(N,N - DIMETHYLFORMAMIDE):  
100 LBS RQ  
SARA 302 (40CFR355.30): .  
SARA 304 (40CFR355.40): .  
SARA , SARA 311/312 (40CFR370.21):  
:  
:  
:  
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:  
SARA 313 (40CFR372.65):  
N,N- (N,N- )(N,N - DIMETHYLFORMAMIDE)  
OSHA (29CFR1910.119): .

: 65 ( ): .

:  
(EC) :

Xn

Xi

(2 )

/ :  
T

(EC) :

R 20/21

R 36

R 61

S 45 가  
. (가  
.)

S 53 -

가 :  
(TSCA):

TSCA 12(b) :

16.

MSDS

- 1.
- 2.
- 3.
- 5.
- 8.
- 9.
- 11.
- 14.
- 15.

(MSDS)  
MDL MDL 가 MSDS  
41

MSDS 가 , ( )

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