

: 2021 - 09 - 01

MSDS : AA04815 - 0000000012

### (MSDS)

## 1.

가. :

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: 310 ( )

: 02 - 2008 - 2757

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## 2.

가. .

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 H225  
 H301  
 H311  
 H319  
 H331  
 H370 ( , , , )  
 H372 ( , )

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 P210 , , ,  
 P233 .  
 P240 .  
 P241 ( . . )  
 P242 가 .  
 P243 .  
 P260 . ( ) .  
 P261 . .  
 P264 ( ) .  
 P270 , .  
 P271 가 .  
 P280 . . . ( ) .

-  
 P301+P310 : .  
 P302+P352 : ( ) .  
 P303+P361+P353 ( ) : /  
 .  
 P304+P340 : 가 .  
 P305+P351+P338 : . 가 .  
 .  
 P308+P311 : .  
 P311 / .  
 P312 / .  
 P314 / .  
 P321 4 .  
 P330 .

P337+P313 : . . . . .  
 P361+P364 . . . . .  
 P370+P378 : CO2, , ( ) . . . . .  
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 P403+P233 가 . . . . .  
 P403+P235 가 . . . . .  
 P405 . . . . .  
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 P501 . . . . .

NFPA : (Health) = 1, (Flammability) = 3, (Reactivity) = 0  
 ( 0 = , 1 = , 2 = , 3 = , 4 = )

3.

		CAS No.			
Methanol ; Methyl alcohol		67 - 56 - 1	100		

4.

가.  
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- 가 .
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5. .

가. ( )

- CO2

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- 가 가 .
- 가 (APF).
- 가 ( ) .
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9.

	100 ppm
pH	12.1 (20 ° C, 100 g/l)
/	- 98
	64.7
	9.7
	1.15 (Ethanol ( $1.19 \times 10^2 ((\text{kg m}^2 \text{ s}^{-1}))$ ))
( , )	
/	44 - 5.5 %
	127 mmHg
	100 g/100Mℓ
	1.1

	0.79
n - /	- 0.77
	464
	1280.9
	604000 P(g/cm · s)
	32.04

10.

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- (flash back) .

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11.

가. 가

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( )  
 ( 3 : 100mg/kg) - (97 - 1 - 80), (4)

( )  
 ( 3 : 300mg/kg) - (97 - 1 - 80), (4)

( :가 )  
 ( 3 : 700ppm) - (97 - 1 - 80), (4)

( : )  
 ( 3 : 3mg/L) - (97 - 1 - 80), (4)

( : / )

(Rabbit)

( 2) - (97 - 1 - 80), (4)

(Guinea Pig)

In vivo - (Micronucleus Assay)



BOD=97%

<10

Koc=0.13 - 0.61

( ) Pimephales promelas NOAEC : 447 ( ) predicted chronic value(QSAR) , ( )  
 Daphnids NOEC : 208mg/ ( (QSAR))

13.

가.

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14.

가. (UN No.) : 1230

. : METHANOL

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. 가 가 :

: F - E

: S - D

- (ADR)

. Tunnel restriction code : D/E

- (IMDG)

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- Air transport(IATA)

. : 1230

. : METHANOL

. : 3



- U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities  
U.S. Emergency Planning and Notification
- U.S. Federal Insecticide, Fungicide and Rodenticide Act
- U.S. - FIFRA - Listing of Pesticide Chemicals (40 CFR 180)  
U.S. Integrated Risk Information System
- U.S. - EPA - IRIS Carcinogenicity Assessment  
U.S. Toxic Chemical Release Reporting - Community Right - to - Know
- U.S. - CERCLA/SARA - Section 313 - Emission Reporting  
U.S. Toxic Substances Control Act
- Inventory - United States - Section 8(b) Inventory (TSCA)

16.

가.

- ECHA
- ECHA, NTP - CERHR
- ECHA,
- Gestis
- HSDB
- NCIS

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. : 2020 - 12 - 16

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: 2021 - 09 - 01

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MSDS

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