



:EC 308  
(MEK+EA+MA+NPAC)

(Emerhency Telephone Number)  
032-574-1989 (24 hours)

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가.

: EC 308 (MEK + EA + MA + NPAC)

UN : 1993

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: 032-574-1989

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H225  
H304  
H315  
H319  
H336  
H361  
H371  
H372  
H373

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P201  
P202  
P210  
P233  
P240  
P241  
P242 가  
P243  
P260 가 ( )  
P261 가  
P264  
P271 가  
P280

-

P301 + P310 ( )  
P302 + P352  
P303 + P361 + P353 ( ) /  
P304 + P340 가  
P305 + P351 + P338 . 가  
P308 + P313  
P312 ( )  
P314  
P321  
P331  
P332 + P313  
P337 + P313  
P362 + P364  
P370 + P378 ,

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P403 + P233 가  
P403 + P235 가  
P405 가

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P501 ( )

	NFPA		
/ ETHYL ACETATE	1	3	0
/Methyl Ethyl Ketone	1	3	0
/ Methyl Acetate	1	3	0
/ Propyl acetate	1	3	0

] 5 ( )\_ [ 2017.7.20.] [ 2017-12 , 2017.7.20.,  
 4 4  
 4  
 [ 2016.4.6] [ 2016-19 , 2016.4.6,  
 ] < 1> 3.3  
 / 2  
 [ 2017.7.20.] [ 2017-12 , 2017.7.20., ] 5 ( )  
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3.

		CAS No.	(W%)
		141-78-6	19~24
		78-93-3	19~24
		79-20-9	32~37
		109-60-4	10~15

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		ACGHI	
Ethyl acetate	TWA 400ppm,	TWA 400ppm	
Methyl ethyl ketone	TWA 200ppm STEL 300ppm	TWA 200ppm STEL 300ppm	2mg/L( MEK, )
Methyl Acetate	TWA 200ppm STEL 250ppm	TWA 200ppm STEL 250ppm	
Propyl acetate	TWA 200ppm STEL 250ppm	TWA 200ppm STEL 250ppm	

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9.

pH	
/	-84
	57

	-9
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( , )	
/	MIN : 1.4%, MAX : 12%
	80 g/L (Ethyl acetate) 223 g/L(MEK) 24.4 g/100ml (Methyl acetate) 18900 mg/L 20 (Propyl acetate)
( )	
	93.2 mmHg (Ethyl acetate),90.6 mmHg(Methyl ethyl ketone) 23.1kPa(Methyl acetate) 35.9 mmHg(Propyl acetate)
	0.9003(Ethyl acetate) 0.8054(Methyl ethyl ketone) 0.93(Methyl acetate) 0.882 (Propyl acetate)
N- /	2.7
	427
	3.04(Ethyl acetate), 2.5(Methyl ethyl ketone) 2.6(Methyl acetate) 3.5 (Propyl acetate)
	0.381 20 (Methyl acetate)
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11.

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PRODUCT :  
- / LD50 > 5620 /LD50 > 2737(mg/kg)  
- LD50 6482 / LD50 8700 (mg/kg Rat)  
PRODUCT :  
- / LD50 > 18000 / LD50>6480(mg/kg)  
- LD50 > 2000 / LD50> 17800 (mg/kg Rabbit)  
(가 ) PRODUCT :  
- / LD 50 > 100 / :  
- : / :  
( ) PRODUCT :  
- : / LC50 > 32mg/l 4 hr mouse  
- LC50 49.2mg/L / :  
( / ) PRODUCT :  
- : :  
- : / :  
- : PRODUCT : 2  
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- : / :  
- : PRODUCT : 2  
- : 2/ :  
- : / : OECD GHS category 2A >0  
PRODUCT :  
- : / :  
- : / :  
PRODUCT :  
- : / :  
- : / :<QSAR> OECE Toolbox  
PRODUCT :  
- :  
- :  
· OSHA :  
· NTP :  
· IARC : 3  
· EU CLP :  
· ACGIH : A4  
PRODUCT :  
- / Mouse lymphoma cells  
PRODUCT : 2  
- 2 /

(1 ) PRODUCT : 3( )

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( ) PRODUCT : 2  
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 PRODUCT : 1

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12.

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가. PRODUCT - : , :

- LC50=230 LC50=3220  
 - LC50 250~350 mg/L LC50 60mg/L 96hr

- EC50=717 EC50 > 5091  
 - EC50 1026.7 mg/l EC50 91.5 mg/L 48hr

- EC50=1800~3200 EC50 > 500  
 - EC50 > 120mg/L EC50 672 mg/L 72hr

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- : BOD 5 /COD 0.81 :  
 - : :

- : 0.73 : 0.29  
 - : log Kow 0.18 : log Kow 1.4

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- BCF : 30 :  
 - : :

- 100% 28 day 89% 20 day  
 - 75% 19day 62% 5 day

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- (Koc)  
 - : :  
 - log Kow 0.18 :

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- : : NOEC72h =83.2 mg/L , EC50>120mg/L 72hr OECD TG 201 GLP

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14.

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가. : 1993  
: Flammable liquid, n.o.s (contains Ethyl acetate, Methyl ethyl ketone, Methyl acetate ,Propyl acetate)  
: 3  
: PG II  
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가 가 :  
: F-E  
: S-D

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15.

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가.  
- , : , , :6 , : 30 ),  
( 1 wt% , , :12 , :6 ) ( 6 )  
: , , :  
- , (25% )  
- : , :  
- , , , : 4 1 (200L)  
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가

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- - EU ( )
  - F; R11 ,Xi; R36, R66, R67
  - EU ( )
  - R11, R36, R66, R67 ,H225 , H336 , H319
  - EU ( )
  - S2 S9 S16 S26 S33
  - 2006/507/EC
  - 
  - 689/2008/EC
  - 
  - Designation, Reportable Quantities, and Notification
  - : :
  - : :
  - Emergency Planning and Notification
  - 
  - Toxic Chemical Release Reporting - Community Right-to-Know
  - : :
  - : :
  - Process Safety Management of Highly Hazardous Chemicals
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16.

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가.

- ACGIH
  - ATSDR
  - American Chemical Society, Washington DC.
  - American Industrial Hygiene Association Journal 30, 470-476
  - Chemosphere 14 (10). 1589-1616.
  - EHC
  - EHCA
  - Ecotoxicol. Environ. Saf. 39, 136-146.
  - HSDB
  - IARC
  - IUCLID
  - Marine Biology 31, 305-310
  - Publication
  - RTECS
  - Study report
-

- 
- Toxicology 4, 5-15
  - Transactions A. Fish. Soc. 110, 430-436.
  - Water Research 13, 627-630

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MSDS 가  
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