



MSDS

:AA13841-0000000001

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

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

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○ : 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

-

P403 + P233 가

P403 + P235 가

P405 가

P501 ()

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

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

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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pH	
/	-84
	57

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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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- 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
 - : / :
 - : / :
 - 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
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 - (1) PRODUCT : 3()
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- () PRODUCT : 2
- : 2 / 가 . 가 .
- PRODUCT : 1

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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 :
 - : :
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 - : 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.

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

15.

- 가.
 - , : , , :6 , : 30),
 (1 wt% , , :12 , :6) (6)
 : , , :
 - , (25%)
 - : , :
 . , , , : 4 1 (200L)
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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
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 - Toxic Chemical Release Reporting - Community Right-to-Know
 - : :
 - : :
 - Process Safety Management of Highly Hazardous Chemicals
 -
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16.

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

. : 2020.01.02

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