



:EC 305
(MEK+EA+DMC)

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

1.

가.

: EC 305 (MEK + EA + DMC)

UN : 1993

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: ()

: 032-574-1989

: 가 37 17 (가)

2.

가.

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- . (1) 3()
- . () 2
- 1

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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
/ Dimethyl carbonate	1	3	1

] 5 ()_ [2017.7.20.] [2017-12 , 2017.7.20.,
 4
 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	20~24
		78-93-3	20~24
		616-38-6	52~60

4.

가.

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5. .

가. ()

- CO2
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8.

가. : : : :
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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,
Dimethyl carbonate			

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9.

pH	
/	-84
	77

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(,)	
/	MIN : 1.4%, MAX : 12%
	80 g/L (Ethyl acetate), 223 g/L(MEK) 138 g/L (Dimethyl carbonate)
()	
	93.2 mmHg (Ethyl acetate),90.6 mmHg(Methyl ethyl ketone) 73.86hPa(Dimethyl carbonate)
	09003(Ethyl acetate),0.8054(Methyl ethyl ketone),1.1(Dimethyl carbonate)
N- /	2.7
	427
	3.04(Ethyl acetate), 2.5(Methyl ethyl ketone) 3.1(Dimethyl carbontate)
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10.

가. 가

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11.

가. 가

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가 , .

PRODUCT :
- / LD50 > 5620 /LD50 > 2737(mg/kg)
- LD50 >13000
PRODUCT :
- / LD50 > 18000 / LD50>6480(mg/kg)
- LD50 > 5000
(가) PRODUCT :
- / LD 50 > 100 / :
- :
() PRODUCT :
- : / LC50 > 32mg/l 4 hr mouse
- : LC50 > 140mg/l 4htr mouse
(/) PRODUCT :
- : :
- : :
PRODUCT : 2
- : / :
- : :
PRODUCT : 2
- : 2/ :
- : :
PRODUCT :
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PRODUCT :
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PRODUCT :
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- :
· OSHA :
· NTP :
· IARC : 3
· EU CLP :
· ACGIH : A4
PRODUCT :
- / Mouse lymphoma cells
PRODUCT : 2
- 2 /

(1) PRODUCT : 3()

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

12.

가. PRODUCT - : , :

- LC50=230 LC50=3220
 - :

- EC50=717 EC50 > 5091
 - :

- EC50=1800~3200 EC50 > 500
 - :

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- : BOD 5 /COD 0.81 :
 - :

- : 0.73 : 0.29
 - : log Kow 0.23

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- BCF : 30 :
 - : BDF:3.2

- 100% 28 day 89% 20 day
 - 90% 28day

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(Koc)
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13.

가.

- 7 ()

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-	,가 ,
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14.

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

15.

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

-
- - EU ()
 - F; R11 ,Xi; R36, R66, R67
 - EU ()
 - R11, R36, R66, R67
 - 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
 -
-

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

. : 2009.07.07

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2010 5 20

. : , 가
2019 7 8

(2016 -19) (2016.4.16)
2019 7 8

() MSDS 가

MSDS 가

가

MSDS

가

MSDS : RGB () 02-597-0645