

(MSDS)

MIBK(METHYL ISOBUTYL KETONE)

Date of issue: 2012-08-08

Revision date: 2018-01-18

Version: R0006.0001

1.

가.

- MIBK(METHYL ISOBUTYL KETONE) [MSDS-004]

.

- : , , , , ,
- :

. / /

o
- :
- : 2 218
- :
- : 061-688-3682,061-688-3687
- : 061-688-3507
- FAX : 061-688-3686

o /
- :
- : 100, 8
- : Acetone/MIBK
- : 02-6961-3465,3482
- : 02-6961-1114
- FAX : 02-6961-3490,3492
- : solvent_domestic@kpb.co.kr

2.

가.

- : 2
- (:) : 4
- : 2
- (1) : 3()
- (1) : 3()

.



o
-
o
- H225
- H332
- H335
- H336

- H351

○

1)

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

2)

- P303+P361+P353 () /
- P304+P340 가
- P308+P313
- P312 ()
- P370+P378 (5)

3)

- P403+P233 가
- P403+P235 가
- P405 가

4)

- P501

○ NFPA (0~4)

- :1, :3, :0

3.

	(異名)	CAS	(%)
4-Methyl-2-pentanone	2-Methyl-4-pentanone ; 2-Methylpropyl methyl ketone ; Hexanone ; 4-Methyl-2-pentanone ; Isobutyl methyl ketone ; Hexone ; 4-Methylpentan-2-one ; Isopropylacetone ;	108-10-1 / KE-24725	100

4.

가.

-
- 15
-

- 15

- 가

•

•

5.

가. ()

- , ,

- , , , ,

- , , , , ,

•

-

-

-

가 가

-가 가

- : , ,

- /

- , ,

-

(flash back)

-

•

가

-

가 가 가

- ,

-

가

-

가

6.

가.

(8.)

-

-

-

-

-

가

•

-

-
- : .
- () .
- : 가 .
-
-

7.

가.

-
-
-
-
- , .
-

-
-
- 가 .
- 가 .
-
-

8.

가. ,

-
- [4-Methyl-2-pentanone] : TWA : 50 ppm, STEL : 75 ppm -
- **ACGIH**
- [4-Methyl-2-pentanone] : TWA, 20 ppm (82 mg/m3) STEL 75 ppm (307 mg/m3)
-
- [4-Methyl-2-pentanone] : Methyl isobutyl ketone : 1 mg/L()

-
- 가 , , 가 가
- 가

-
-
- 가 , .
-
- (,)
- ()
- : (), ()
-
- 가 , .
- 가 () .
-
- 가 , .

○
- 가 ,

9.

가.	
-	
-	
.	
.	0.1 ppm
. pH	7
. /	-84
.	116.5
.	14
.	5.6 (=1)
. (,)	
. /	7.5 / 1.4 %
.	2.1kPa (20)
.	1.91g/100ml(20)
.	3.5 (=1)
.	0.8 (=1)
. N- /	1.38
.	460
.	
.	0.61 cP (20)
.	100.16

10.

가.	가
-	
-	
.	
-	
- , ,	
.	
-	
.	
-	

11.

가. 가
○ ()
-
○ ()
-
○ (·)
-

○
*

- [4-Methyl-2-pentanone] : LD50 2080 mg/kg Rat (NITE, ECHA)

- *
 - [4-Methyl-2-pentanone] : LD50 >16,000 mg/kg rabbit (NITE), LD0≥2000 mg/kg OECD TG402, GLP(ECHA)
- *
 - [4-Methyl-2-pentanone] : LC50 11.6 mg/l 4h Rat (OECD TG 403)(ECHA)
- - [4-Methyl-2-pentanone] : / , OECD TG 404
- - [4-Methyl-2-pentanone] : / 0.08, 0, 0.8 OECD TG 405 (ECHA)
- -
- - [4-Methyl-2-pentanone] : (NITE, ECHA)
- - *
 -
 - * **IARC**
 - [4-Methyl-2-pentanone] : Group 2B
 - * **OSHA**
 -
 - * **ACGIH**
 - [4-Methyl-2-pentanone] : A3
 - * **NTP**
 -
 - * **EU CLP**
 -
- - [4-Methyl-2-pentanone] : OECD TG 476, OECD TG 473, OECD TG 474, GLP (ECHA)
- - [4-Methyl-2-pentanone] : / 가, NOAEL=1 000 ppm OECD TG 414, GLP(ECHA), (NITE)
- - [4-Methyl-2-pentanone] : (1)
- - [4-Methyl-2-pentanone] : (NITE)
- - [4-Methyl-2-pentanone] : 90 OECD TG408 가 NOAEL 250 mg/kg bw/day
- -
- - *
 - [4-Methyl-2-pentanone] : 2
 - *
 -
 - *
 -

12.

가.

- - [4-Methyl-2-pentanone] : ECHA LD50 >179 mg/l 96 hr Brachydanio rerio(OECD TG 203, GLP)
- - [4-Methyl-2-pentanone] : ECHA EC50 >200 mg/l 48 hr Daphnia magna(OECD TG 202, GLP)
- -

.

○

- [4-Methyl-2-pentanone] : ECHA 1.9 log Kow (OECD TG 117)

○
-

•

○
-

○

- [4-Methyl-2-pentanone] : ECHA 83% 28 day (OECD TG 301, GLP)

•

- [4-Methyl-2-pentanone] : ECHA 101.85 Koc (estimate)

•

-

•

- [4-Methyl-2-pentanone] : Daphnia magna : NOEC21 d=78 mg/L OECD TG 211

13.

가.

-2

- 가가

- 가가

•

- ()

-

14.

가. (IMDG CODE/IATA DGR)

- 1245

•

- METHYL ISOBUTYL KETONE

•

- 3

•

(IMDG CODE/IATA DGR)

-

•

-

•

가 가

-

- DOT

- : F-E (Non-water-reactive flammable liquids)

- : S-D (Flammable liquids)

15.

가.

- - (1% 4-Methyl-2-pentanone)
- - (4-Methyl-2-pentanone)
- - (100% 4-Methyl-2-pentanone)
- - (1% 4-Methyl-2-pentanone)
- -
- 가
-
- **PSM** - : ()
-

• [Redacted Section Header]

- -
- -
- -
- -
- 가
-
- -
-

• [Redacted Section Header]

- : 4 1 () (:200)

• [Redacted Section Header]

- [1] () .

• [Redacted Section Header]

- -
-
- **EU**
- * - [4-Methyl-2-pentanone] : H225, H332, H319, H335
-
- * **OSHA (29CFR1910.119)**
-
- * **CERCLA 103 (40CFR302.4)**
- [4-Methyl-2-pentanone] : 2267.995 kg 5000 lb
- * **EPCRA 302 (40CFR355.30)**
-
- * **EPCRA 304 (40CFR355.40)**
-
- * **EPCRA 313 (40CFR372.65)**
- [4-Methyl-2-pentanone] :
- -
-
- -
-
- -
-

16.

가.

- MSDS 41 2016-19 ()
- MSDS KOSHA, NITE, ESIS, NLM, SIDS, IPCS, NCIS .

•
- 2008-03-26

•
- 11 , 2018-01-18

•
- , , , 가 DB .