

HAJ161 INTERTHERM 875 RAL1011 BROWN BEIGE

4 10/27/14

1.

1.1. INTERTHERM 875 RAL1011 BROWN BEIGE
 HAJ161

1.2.

1.3.

626-6

(8-6)

1.4.

055-632-6286(),055 586 2310()
055 587 6276()
055 586 2310()
055 586 2310()

2.

2.1. .
 3; H226
 /
2;H315 .
 /
2;H319 .
 -1 ;H335
 -
3;H412 .

2.2.
11 , 12



H315
H319
H335
H412

[]:

P210 / / / - .

P261 / /가 / / / .

P264

P271 가

P273

P280 / / / .

[]:

P302+352 :

P303+361+353 () :
/

P304+312 : /

P305+351+338 가 : . 가

P312 /

P321 ().

P337+313 : /

P340 가

P362

P370 :

P378 , , ,

[]:

P403+233 가

P405 가

[]:

P501 ()

2.3. .
PBT (,) vPvB (,)

3.

/	%	GHS	
xylene CAS No: 0001330-20-7	30-40	3; H226 - 4;H312 - 4;H332 / 2;H315 / 2A;H319 -1 ;H336 - 1;H372	[1][2]
Ethylbenzene CAS No: 0000100-41-4	5-10	2;H225 - 4;H332 - 3;H373 1;H304 / 2;H315 / 2;H319 -1 ;H335	[1][2]
Titanium dioxide CAS No: 0013463-67-7	2.5-5		[1][2]

n-Butanol CAS No: 0000071-36-3	2.5-5	3; H226 - 4;H302 -1 ;H335 / 2;H315 / 1;H318 -1 ;H336	[1][2]
Toluene CAS No: 0000108-88-3	<1	2;H225 / 2;H315 2;H361 - 4;H332 1;H317 - 2;H411	[1][2]
	40-50	---	---

- 1)
- 2)가
- 3) PBTvPvB16

4.

4.1.

가

가

10

4.2.가/

4.3.

5. ,

5.1.

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Note; 가

가

5.2. 가 :
, , , .

5.3. 가 .
가

6.

6.1. 가 , 가
가 가

6.2. 가
6.3. . 8
, , 가 . (13 .)

가 .
가 .
, 가 , 가

7.

7.1. 가
, 가 (LEL) (OEL)

가

가
, 가 (LEL) (OEL)

7.2. ()
: , , .
 , 8
가 , 가
61
가 , 1
.

7.3. Specific end use(s)
가
 , 가 . 3
.
Hot surfaces, Sparks,
가 , (60% ,) .

8.

8.1.	, (OEL)		(ACGIH)	
	(ACGIH)			
	ppm	mg/m ³	ppm	mg/m3
Barium Sulphate			2	10
Ethylbenzene	125	545	100	435
n-Butanol			C50	C150
Titanium dioxide				10
Toluene	150	560	100	375
xylene	150	655	100	434

(P) (Peak exposure limit)
(R)
(Sk)
(Sen)

가

8.2.

가

가

(visor)

(overall)

가

9.

/ (°C)

(°C)

108

24

(= 1)

(,)

/

: 1.1 (xylene)

: 6.6 (xylene)

(Pa)

n- / (Log Kow)

9.2.

10.

10.1.

10.2.

.(Section 7)

가

10.3. 가

10.4.

. (7 .)

10.5.

10.6.

가

11.

(OEL)

가

가

가

2

	LD50, mg/kg	LD50, mg/kg	LD50, mg/L/4hr	/ LD50, mg/L/4hr
Ethylbenzene - (100-41-4)	3,500.00,	15,433.00,	17.20,	
n-Butanol - (71-36-3)	2,292.00,	3,430.00,		
Titanium dioxide - (13463-67-7)	10,000.00,	10,000.00,		6.82,
Toluene - (108-88-3)	636.00,	8,400.00,		
xylene - (1330-20-7)	4,299.00,	1,548.00,		20.00,

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()		
/	2	.
/	2	
(1)	3	.
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12.

12.1.

1999/45/EC가 ,

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	96 hr LC50 mg/l ,	49 hr EC50 mg/l ,	ErC50 mg/l ,
xylene - (1330-20-7)	3.30, Oncorhynchus mykiss	8.50, Palaemonetes pugio	100.00 (72 hr), Chlorococcales
Ethylbenzene - (100-41-4)	4.20, Oncorhynchus mykiss	2.93, Daphnia magna	3.60 (96 hr), Pseudokirchneriella subcapitata
Titanium dioxide - (13463-67-7)	1,000.00, Fundulus heteroclitus	5.50, Daphnia magna	5.83 (72 hr), Pseudokirchneriella subcapitata
n-Butanol - (71-36-3)	1,376.00, Pimephales promelas	1,328.00, Daphnia magna	500.00 (96 hr), Scenedesmus subspicatus
Toluene - (108-88-3)	5.80, Oncorhynchus mykiss	19.60, Daphnia magna	

12.2.

가

12.3.

12.4.

12.5. , , 가

PBT (,) vPvB (,) .

12.6.

13.

13.1.

가
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14.

14.1. 1263
14.2.
14.3.

1263, , 3, III, 3[Y]

IMDG	Class/Div. 3
	EmS F-E,S-E

ICAO/IATA	3
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14.4. III

14.5.
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IMDG	:
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14.6. 가 가

14.7. MARPOL73/78 Annex II IBC Code .

15.

4 , 2 , III

MSDS 8 .

Ethylbenzene (0000100-41-4)
Titanium dioxide (0013463-67-7)

(CMR):

Silica(quartz) (0014808-60-7)
Ethylbenzene (0000100-41-4)
Titanium dioxide (0013463-67-7)
Toluene (0000108-88-3)

:

n-Butanol (0000071-36-3)
Ethylbenzene (0000100-41-4)
Titanium dioxide (0013463-67-7)
xylene (0001330-20-7)

:

n-Butanol (0000071-36-3)
Ethylbenzene (0000100-41-4)
xylene (0001330-20-7)

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Group I:

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Group II:

Barium Sulphate (0007727-43-7)
Ethylbenzene (0000100-41-4)
xylene (0001330-20-7)

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:

()

16.

: 10/27/2014

: 4

: 02/16/2007

MSDS KOSHA, NITE, ESIS, NLM, SIDS, IPCS, NCIS

SDS

H225

H226

H302

H304

H312

H315

H318

H319

H332

H335

H336

H372

H373

This SDS is valid for 5 years from the revised date on page 1.



Akzo Nobel

가