

HAL228 INTERTHERM 875 TOFFEE

1 01/12/15

1.

1.1. INTERTHERM 875 TOFFEE
HAL228

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

2.2.
11 , 12



H226
H315
H319

H335

[]:

P210 / / /

P261 / /가 / / /

P264

P271 가

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	
xylylene CAS No: 0001330-20-7	30-40	3; H226 - 4;H312 - 4;H332 / 2;H315 / 2AIH319 -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]
n-Butanol CAS No: 0000071-36-3	1-2.5	3; H226 - 4;H302 -1 ;H335 / 2;H315 / 1;H318 -1 ;H336	[1][2]

- 1)
- 2)가
- 3) PBTvPvB
16

4.

4.1.

가

가

10

4.2.가 /

4.3.

5. ,

5.1.

;

Note;가

가

5.2.

가

:

5.3.

가

6.

6.1.

가 가 가 , 가

6.2.

가 .

6.3.

. 8 .
 , , 가 . (13 .)
가 .
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/m ³
Barium Sulphate			2	10
Ethylbenzene	125	545	100	435
n-Butanol			C50	C150
xylene	150	655	100	434

(P) (Peak exposure limit)
(R)
(Sk)
(Sen)
(Cat 1)
(Cat 2) 가
(Cat 3)

DNEL/PNEC

8.2.

가

가 , (visor)

(overall)
가

가
.가

9.

pH / (°C)
(°C) 108
24
(= 1)
(,)
/ : 1.1 (xylene)
: 6.6 (xylene)
(Pa)
1.15

n- / (Log Kow)

9.2.

10.

10.1.

10.2.

가

10.3. 가

10.4.

10.5. (7 .)

10.6.

가

11.

(OEL)

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,		
xylene - (1330-20-7)	4,299.00,	1,548.00,		20.00,

()		
()		
()		
/	2	
/	2	
(1)	3	
()		

12.

12.1.

1999/45/EC
가 ,
가

	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
n-Butanol - (71-36-3)	1,376.00, Pimephales promelas	1,328.00, Daphnia magna	500.00 (96 hr), Scenedesmus subspicatus

12.2.

가

12.3.

12.4.

12.5. , , 가
PBT (,) vPvB (,)

12.6.

13.

13.1.

가
..

14.

14.1. 1263

14.2.

14.3.

1263, , 3, III, 3[Y]

EmS F-E,S-E

ICAO/IATA 3

14.4. III

14.5.

:

IMDG :

14.6. 가 가

14.7. MARPOL73/78 Annex II IBC Code .

15.

.

4 , 2 , III

MSDS 8 .

n-Butanol (0000071-36-3)
Ethylbenzene (0000100-41-4)
(CMR):
carbon black (0001333-86-4)
Silica(quartz) (0014808-60-7)
Ethylbenzene (0000100-41-4)
Titanium dioxide (0013463-67-7)

:

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

:

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

가 :

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:

()

:

()

:
()

Group I:

()

Group II:

Barium Sulphate (0007727-43-7)

Ethylbenzene (0000100-41-4)

xylene (0001330-20-7)

:
()

()

:
()

16.

: 12/01/2015

: 1

: 08/01/2015

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

SDS

Section 3

Phrases

H225

H226

H302

H304

H312

H315

H318

H319

H332

H335

H336

H372

H373

Not Defined



Akzo Nobel

가