

HAC135 INTERTHERM 875 LEMON

4

10/27/14

1.

1.1. INTERTHERM 875 LEMON  
HAC135

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	
xylene 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	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) PBT vPvB  
16

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.

( )

가 , 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<sup>3</sup> ppm mg/m<sup>3</sup>

Barium Sulphate			2	10
Ethylbenzene	125	545	100	435
n-Butanol			C50	C150
Toluene	150	560	100	375
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

For Professional Applications (Indoor and Outdoor) the maximum daily exposure allowed is less than or equal to 8 hours. This is for natural, local exhaust or no ventilation wearing the PPE requirements highlighted above.

9.

pH / (°C) (°C) 108  
 24  
 ( = 1)  
 ( , ) / : 1.1 ( xylene )  
 : 6.6 ( xylene )  
 (Pa)  
 1.07

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,		
Toluene - (108-88-3)	636.00,	8,400.00,		
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
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



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

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)
- Toluene (0000108-88-3)
- :
- 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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( )

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( )

**Group I:**  
( )

**Group II:**

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

:  
( )

( )

:  
( )

16.

: 10/27/2014

: 4

: 11/25/2008

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

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



Akzo Nobel

가