

HAY992 INTERTHERM 875 RAL9011 GRAPH.BLACK

2

11/17/14

1.

1.1. INTERTHERM 875 RAL9011 GRAPH.BLACK  
HAY992

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]
1-Methoxy-2-propyl acetate CAS No: 0000108-65-6	1-2.5	3; H226	[1]
n-Butanol CAS No: 0000071-36-3	1-2.5	3; H226 - 4;H302 -1 ;H335 / 2;H315 / 1;H318	[1][2]

		-1 ;H336	
carbon black CAS No: 0001333-86-4	1-2.5		[1][2]
	50-60	---	---

- 1)
- 2) 가
- 3) PBT vPvB  
16

**4.**

**4.1.**

가

가

10

**4.2.** 가 /

**4.3.**

**5.** ,

**5.1.**

;

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

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

carbon black

3.5

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

가

9.

pH

/ (°C)

(°C)

116

24

( = 1)

( , )

/

: 1.4 ( n-Butanol )

: 6.6 ( xylene )

(Pa)

1.11

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

2

가

	LD50, mg/kg	LD50, mg/kg	LD50, mg/L/4hr	/ LD50, mg/L/4hr
1-Methoxy-2-propyl acetate - (108-65-6)	8,532.00,	5,000.00,		
carbon black - (1333-86-4)	8,000.00,			
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
1-Methoxy-2-propyl acetate - (108-65-6)	100.00, Salmo gairdneri	500.00, Daphnia magna	
n-Butanol - (71-36-3)	1,376.00, Pimephales promelas	1,328.00, Daphnia magna	500.00 (96 hr), Scenedesmus subspicatus
carbon black - (1333-86-4)	1,000.00, Danio rerio	5,600.00, Daphnia magna	10,000.00 (72 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]

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)

:

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 :  
( )

:  
( )

:  
( )

:  
( )

**Group I:**

( )

**Group II:**

Barium Sulphate (0007727-43-7)

Ethylbenzene (0000100-41-4)

xylene (0001330-20-7)

:  
( )

( )

:  
( )

16.

: 11/17/2014

: 2

: 11/14/2014

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

SDS

Section 3 Phrases

H225

H226

H302

H304

H312

H315

H318

H319

H332

H335

H336

H372

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



Akzo Nobel

가