

**HTA002 INTERTHERM 891 ALUMINIUM**

1

09/06/13

1.

1.1. INTERTHERM 891 ALUMINIUM  
HTA002

1.2.

1.3.

International Paint Singapore Pte Ltd  
3 Neythal Road  
Jurong Town  
Singapore 628570

+65 6261 5033

+65 6264 4612

1.4.

+65 6261 5033

2.

2.1. 3; H226

2;H411

2.2. 11 , 12



H226  
H316 가  
H411

[ ]:  
P210 / / /

P260 / /

P262 , ,

P273

P280 / / /

[ ]:

P301+310 : /

P303+361+353 ( ) :  
/

P332+P313 Not Defined

P331

P332+313 : /

P370 :

P378 , , ,

P391

[ ]:

P403+233 가

[ ]:

P501 ( )

2.3. PBT ( , ) vPvB ( , )

3.

/	%	GHS	
White spirits CAS No: 0064742-82-1	20-30	1;H304 - 2;H411 3; H226	[1]
Aluminium, alkyls CAS No: 0007429-90-5	10-20	Water react. 2;H261 H250	[1][2]
Solvent naphtha (petroleum), light aromatic CAS No: 0064742-95-6	5-10	1;H304	[1]
Solvent naphtha (petroleum), heavy aromatic CAS No: 0064742-94-5	5-10	1;H304	[1]
1,2,4-trimethylbenzene CAS No: 0000095-63-6	2.5-5	3; H226 - 4;H332 / 2;H319 -1 ;H335 / 2;H315 - 2;H411	[1][2]
Cobalt carboxylate CAS No: 0013586-82-8	<1	- 4;H302 / 2;H315 1;H317 - 2;H411	[1]

- 1)
- 2) 가
- 3) PBT vPvB  
16 가 , 가  
가

4.

4.1.

가

가

10

4.2.

가

/

4.3.

5. ,

5.1.

; , , , .

Note;

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5.2.

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5.3.

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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

가 , 61  
1

7.3. Specific end use(s)

가

,가 .3

가 ( 60% )

8.

8.1.

(OEL)

(ACGIH)

(ACGIH)

ppm

mg/m<sup>3</sup>

ppm

mg/m<sup>3</sup>

Aluminium, alkyls

-

-

-

2

(P) (Peak exposure limit)

(R)

(Sk)

(Sen)

(Cat 1)

(Cat 2)

(Cat 3)

가

**DNEL/PNEC**

8.2.

가

가

(visor)

(overall)

가

가

가

가

9.

pH

/ (°C)

(°C)

150

23

( = 1)

( , )

/

: .8 ( White spirits )

: 7 ( Solvent naphtha (petroleum), light

aromatic )

(Pa)

0.96

n-

/

(Log Kow)

9.2.

10.

10.1.

10.2.

.(Section 7 )

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10.3.

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10.4.

.(7 .)

10.5.

10.6.

가

11.

(OEL)

가

가

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2

	LD50, mg/kg	LD50, mg/kg	LD50, mg/L/4hr	/ LD50, mg/L/4hr
1,2,4-trimethylbenzene - (95-63-6)	3,400.00,	3,160.00,	18.00,	
Aluminium, alkyls - (7429-90-5)				
Cobalt carboxylate - (13586-82-8)				
Solvent naphtha (petroleum), heavy aromatic - (64742-94-5)	5,000.00,	2,000.00,		
Solvent naphtha (petroleum), light aromatic - (64742-95-6)	6,800.00,	3,400.00,		
White spirits - (64742-82-1)	5,000.00,	3,160.00,		

( )		
( )		
( )		
/		
/		
(1 )		
( )		

12.

12.1.

Dangerous Preparations Directive 1999/45/EC

가  
( 3 )

가

	96 hr LC50 mg/l	49 hr EC50 mg/l	ErC50 mg/l
White spirits - (64742-82-1)	100.00, Fish (Piscis)	2.60, Chaetogammarus marinus	
Aluminium, alkyls - (7429-90-5)	0.12, Oncorhynchus mykiss	3.50, Daphnia magna	
Solvent naphtha (petroleum), light aromatic - (64742-95-6)	9.22, Oncorhynchus mykiss	6.14, Daphnia magna	19.00 (72 hr), Selenastrum capricornutum
Solvent naphtha (petroleum), heavy aromatic - (64742-94-5)	45.00, Pimephales promelas	12.00, Daphnia magna	2.50 (72 hr), Skeletonema costatum
1,2,4-trimethylbenzene - (95-63-6)	7.72, Pimephales promelas	3.60, Daphnia magna	
Cobalt carboxylate - (13586-82-8)			

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 : ( Naphtha (petroleum), hydrodesulfurized heavy )

14.6. 가

가

14.7. MARPOL73/78 Annex II IBC Code .

15.

None noted.

16.

SDS

Section 3 Phrases

H226

H250

H261 가

H304

H315

H319

H332

H335

H411

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



Akzo Nobel

가