

EMB134/P INTERGARD 410 YELLOW PART A

4

10/25/14

1.

1.1. INTERGARD 410 YELLOW PART A  
EMB134/P

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;H317

3;H412

2.2.

11 , 12



H315  
H317  
H319  
H412

[ ]:

P210 / / /  
P260 / /  
P261 / /가 / / /  
P262 , ,  
P264  
P272  
P273  
P280 / / /

[ ]:

P301+310 : /  
P302+352 :  
P303+361+353 ( ) :  
/  
P305+351+338 가 : .가  
P321 ( ).  
P331  
P333+313 /  
P337 :  
P362  
P363  
P370 :  
P378 , , ,

[ ]:

P403+233 가

[ ]:

P501 ( )

2.3. PBT ( , ) vPvB ( , )

3.

/	%	GHS	
EPOXY RESIN CAS No: 0025036-25-3	20-30	/ 2;H319 / 2;H315, 1;H317	[1]
xylene CAS No: 0001330-20-7	10-20	3; H226 - 4;H312 - 4;H332 / 2;H315 / 2;H319 -1 ;H336 - 1;H372	[1][2]
Solvent naphtha (petroleum), light aromatic CAS No: 0064742-95-6	5-10	1;H304	[1]
Propylene glycol mono methyl ether	5-10		[1][2]

CAS No: 0000107-98-2		3; H226 -1 ;H336	
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]
Titanium dioxide CAS No: 0013463-67-7	1-2.5		[1][2]
1,3,5-trimethylbenzene CAS No: 0000108-67-8	1-2.5	3; H226 -1 ;H335 - 2;H411	[1]
polyamide dispersion CAS No: 0055349-01-4	<1	1;H317 - 4;H413	[1]
	40-50	---	---

- 1)
- 2) 가
- 3) PBT vPvB  
16

4.

4.1.

가

가

10

4.2. 가 /

4.3.

5. ,

5.1.

Note;

가

5.2.

가

가

5.3.

가

가

6.

6.1.

가

가

가 가

6.2.

가

6.3.

.8

가

가

(13 .)

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<sup>3</sup> ppm mg/m<sup>3</sup>

Propylene glycol mono methyl ether 150 540 100 360

Talc 2

Titanium dioxide 10

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

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가

9.

pH

/ (°C)

(°C)

65

23

( = 1)

( , )

/

: 1.1 ( xylene )

: 6.6 ( xylene )

(Pa)

1.32

n-

/

(Log Kow)

9.2.

10.

10.1.

10.2.

.(Section 7 )

10.3.

가 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
1,2,4-trimethylbenzene - (95-63-6)	3,400.00,	3,160.00,	18.00,	
1,3,5-trimethylbenzene - (108-67-8)			24.00,	
EPOXY RESIN - (25036-25-3)				
polyamide dispersion - (55349-01-4)				
Propylene glycol mono methyl ether - (107-98-2)	5,000.00,	13,000.00,		
Solvent naphtha (petroleum), light aromatic - (64742-95-6)	6,800.00,	3,400.00,		
Titanium dioxide - (13463-67-7)	10,000.00,	10,000.00,		6.82,

xylylene - (1330-20-7)	4,299.00,	1,548.00,	20.00,
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/	2	.
/	2	
	1	.
(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
EPOXY RESIN - (25036-25-3)			
xylylene - (1330-20-7)	3.30, Oncorhynchus mykiss	8.50, Palaemonetes pugio	100.00 (72 hr), Chlorococcales
Solvent naphtha (petroleum), light aromatic - (64742-95-6)	9.22, Oncorhynchus mykiss	6.14, Daphnia magna	19.00 (72 hr), Selenastrum capricornutum
Propylene glycol mono methyl ether - (107-98-2)	1,000.00, Oncorhynchus mykiss	500.00, Daphnia magna	1,000.00 (96 hr), Selenastrum capricornutum
1,2,4-trimethylbenzene - (95-63-6)	7.72, Pimephales promelas	3.60, Daphnia magna	
Titanium dioxide - (13463-67-7)	1,000.00, Fundulus heteroclitus	5.50, Daphnia magna	5.83 (72 hr), Pseudokirchneriella subcapitata
1,3,5-trimethylbenzene - (108-67-8)	12.52, Carassius auratus	6.00, Daphnia magna	25.00 (48 hr), Scenedesmus subspicatus
polyamide dispersion - (55349-01-4)			

**12.2.**

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**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.

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IMDG :

14.6. 가 가

14.7. MARPOL73/78 Annex II IBC Code .

15.

Talc (0014807-96-6)

Titanium dioxide (0013463-67-7)

**(CMR):**

carbon black (0001333-86-4)

Silica(quartz) (0014808-60-7)

ethanol (0000064-17-5)

Ethylbenzene (0000100-41-4)

Titanium dioxide (0013463-67-7)

:

Titanium dioxide (0013463-67-7)

xylene (0001330-20-7)

:

xylene (0001330-20-7)

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( )

**Group I:**

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**Group II:**

Ethylbenzene (0000100-41-4)

xylene (0001330-20-7)

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:

Talc (0014807-96-6)

16.

: 10/25/2014

: 4

: 08/24/2012

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

SDS

H226  
H304  
H312  
H315  
H317  
H319  
H332  
H335  
H336  
H372  
H411

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



Akzo Nobel

가