

EPA003 INTERGARD 400 MIO SILVER GREY PART A

1

09/07/13

1.

1.1. INTERGARD 400 MIO SILVER GREY PART A  
EPA003

1.2.

1.3.

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Jurong Town  
Singapore 628570

+65 6261 5033

+65 6264 4612

1.4.

+65 6261 5033

2.

- 2.1. .
  - 3; H226
  - 4;H312
  - 4;H332
- /
- 2;H315
- /
- 1;H318
- 1;H317

2.2.

11 , 12



H312  
H315  
H317  
H318  
H332

[ ]:

P210 / / /  
P261 / /가 / / /  
P264  
P271 가  
P272  
P273  
P280 / / /

[ ]:

P302+352 :  
P303+361+353 ( ) :  
/ /  
P304+312 : /  
P305+351+338 가 : .가  
P310 /  
P321 ( ).  
P322 ( ).  
P333+313 /  
P340 가  
P362  
P363  
P370 :  
P378 , , ,

[ ]:

P403+233 가

[ ]:

P501 ( )

2.3. PBT ( , ) vPvB ( , )

3.

/	%	GHS	
Epoxy resin (av.mol.wt.<700) CAS No: 0025068-38-6	10-20	/ 2;H319 / 2;H315 1;H317 - 2;H411	[1]
xylene CAS No: 0001330-20-7	10-20	3; H226 - 4;H332 - 4;H312 / 2;H315	[1][2]
n-Butanol CAS No: 0000071-36-3	5-10	3; H226 - 4;H302 -1 ;H335	[1][2]

		/ 2;H315 / 1;H318 -1 ;H336	
Aluminium, alkyls CAS No: 0007429-90-5	1-2.5	Water react. 2;H261 H250	[1][2]
Butylated Urea Formaldehyde Resin CAS No:	1-2.5	- 4;H413	[1]
Ethylbenzene CAS No: 0000100-41-4	1-2.5	2;H225 - 4;H332	[1][2]

- 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; 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  
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>

Aluminium, alkyls

-

-

-

2

Barium Sulphate

-

-

-

10

Ethylbenzene

125

543

100

434

Iron oxide

-

-

-

5

n-Butanol

50

152

-

-

xylene

150

651

100

434

(P) (Peak exposure limit)

(R)

(Sk)

(Sen)

(Cat 1)

(Cat 2)

(Cat 3)

가

8.2.

가

가

(visor)

(overall)

가

가

.가

가

9.

pH

/ (°C)

(°C)

116

23

( = 1)

( , )

/

: 1.1 ( xylene )

: 6.6 ( xylene )

(Pa)

1.82

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

Data

가

2

가

	LD50, mg/kg	LD50, mg/kg	LD50, mg/L/4hr	/ LD50, mg/L/4hr
Aluminium, alkyls - (7429-90-5)				
Butylated Urea Formaldehyde Resin - ( )				
Epoxy resin (av.mol.wt.<700) - (25068-38-6)	2,000.00,	2,000.00,		
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,
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( )		
( )	4	
( )	4	
/	2	
/	1	
	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 (av.mol.wt.<700) - (25068-38-6)	3.10, Pimephales promelas	1.40, Daphnia magna	
xylene - (1330-20-7)	3.30, Oncorhynchus mykiss	8.50, Palaemonetes pugio	100.00 (72 hr), Chlorococcales
n-Butanol - (71-36-3)	1,376.00, Pimephales promelas	1,328.00, Daphnia magna	500.00 (96 hr), Scenedesmus subspicatus
Aluminium, alkyls - (7429-90-5)	0.12, Oncorhynchus mykiss	3.50, Daphnia magna	
Butylated Urea Formaldehyde Resin - ( )			
Ethylbenzene - (100-41-4)	4.20, Oncorhynchus mykiss	2.93, Daphnia magna	3.60 (96 hr), Pseudokirchneriella subcapitata

**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.

None noted.

16.

SDS

Section 3            Phrases

H226

H302

H312

H315

H317

H318

H319

H332

H335

H336

H372

H411

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



Akzo Nobel

가