

EPA003/J INTERGARD 400 MIO SILVER GREY PART A

3

10/27/14

1.

1.1. INTERGARD 400 MIO SILVER GREY PART A
EPA003/J

1.2. 1002629 (Unknown)

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
/
1;H318
1;H317
-
2;H411

2.2. 11 , 12



H315
H317
H318
H411

[]:

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

[]:

P301+310 : /
P302+352 :
P303+361+353 () :
/
P305+351+338 가 : .가

P310 /
P321 ().
P331
P333+313 /
P362
P363
P370 :
P378 , , ,
P391

[]:

P403+233 가

[]:

P501 ()

2.3. PBT (,) vPvB (,)

3.

/	%	GHS	
Epoxy resin (av.mol.wt.<700) CAS No: 0025068-38-6	20-30	/ 2;H319 / 2;H315 1;H317 - 2;H411	[1]
xylene CAS No: 0001330-20-7	5-10	3; H226 - 4;H312 - 4;H332 / 2;H315 / 2AIH319 -1 ;H336 - 1;H372	[1][2]

Solvent naphtha (petroleum), light aromatic CAS No: 0064742-95-6	5-10	1;H304	[1]
n-Butanol CAS No: 0000071-36-3	5-10	3; H226 - 4;H302 -1 ;H335 / 2;H315 / 1;H318 -1 ;H336	[1][2]
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]
Aluminium, alkyls CAS No: 0007429-90-5	1-2.5	Water react. 2;H261 H250	[1][2]
polyamide dispersion CAS No: 0055349-01-4	<1	1;H317 - 4;H413	[1]
	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

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/m³

ppm

mg/m³

Aluminium, alkyls

2

Iron oxide

5

n-Butanol

C50

C150

xylene

150

655

100

434

(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)

65

23

(= 1)

(,)

/

: 1.1 (xylene)

: 6.6 (xylene)

(Pa)

1.66

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

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,	
Aluminium, alkyls - (7429-90-5)				
Epoxy resin (av.mol.wt.<700) - (25068-38-6)	2,000.00,	2,000.00,		

n-Butanol - (71-36-3)	2,292.00,	3,430.00,		
polyamide dispersion - (55349-01-4)				
Solvent naphtha (petroleum), light aromatic - (64742-95-6)	6,800.00,	3,400.00,		
xylene - (1330-20-7)	4,299.00,	1,548.00,		20.00,

()		
()		
()		
/	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
Solvent naphtha (petroleum), light aromatic - (64742-95-6)	9.22, Oncorhynchus mykiss	6.14, Daphnia magna	19.00 (72 hr), Selenastrum capricornutum
n-Butanol - (71-36-3)	1,376.00, Pimephales promelas	1,328.00, Daphnia magna	500.00 (96 hr), Scenedesmus subspicatus
1,2,4-trimethylbenzene - (95-63-6)	7.72, Pimephales promelas	3.60, Daphnia magna	
Aluminium, alkyls - (7429-90-5)	0.12, Oncorhynchus mykiss	3.50, Daphnia magna	
polyamide dispersion - (55349-01-4)			

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 : (Epoxy Resin)

14.6. 가 가

14.7. MARPOL73/78 Annex II IBC Code .

15.

MSDS 8

1002629 (Unknown)

Aluminium, alkyls (0007429-90-5)

n-Butanol (0000071-36-3)

1002629 (Unknown)

Silica(quartz) (0014808-60-7)

ethanol (0000064-17-5)

1002629 (Unknown)

Aluminium, alkyls (0007429-90-5)

n-Butanol (0000071-36-3)

xylene (0001330-20-7)

1002629 (Unknown)

Aluminium, alkyls (0007429-90-5)

n-Butanol (0000071-36-3)

xylene (0001330-20-7)

1002629 (Unknown)

1002629 (Unknown)

1002629 (Unknown)

1002629 (Unknown)

1002629 (Unknown)

1002629 (Unknown)

Aluminium, alkyls (0007429-90-5)

Epoxy resin (av.mol.wt.<700) (0025068-38-6)

xylene (0001330-20-7)

1002629 (Unknown)

1002629 (Unknown)

1002629 (Unknown)

16.

: 10/27/2014

: 3

: 09/28/2010

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

SDS

Section 3 Phrases

H226

H250

H261

가

H302
H304
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