

EPA213 INTERCURE 200 BUFF PART A

1

08/30/13

1.

1.1. INTERCURE 200 BUFF PART A
EPA213

1.2.

1.3.

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1.4.

+65 6261 5033

2.

2.1. .
3; H226
/
2;H315
/
1;H318
1;H317
-
1;H410

2.2.
11 , 12



H315
H317
H318
H410

[]:

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

[]:

P302+352 :
P303+361+353 () :
/ 가 : .가

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

[]:

P403+233 가

[]:

P501 ()

2.3. PBT (,) vPvB (,)

3.

/	%	GHS	
EPOXY RESIN CAS No: 0025036-25-3	10-20	/ 2;H319 / 2;H315, 1;H317	[1]
xylene CAS No: 0001330-20-7	10-20	3; H226 - 4;H332 - 4;H312 / 2;H315	[1][2]
Zinc phosphate CAS No: 0007779-90-0	5-10	- 1;H400 - 1;H410	[1]
n-Butanol CAS No: 0000071-36-3	2.5-5	3; H226 - 4;H302 -1 ;H335 / 2;H315 / 1;H318 -1 ;H336	[1][2]
Propylene glycol mono methyl ether	2.5-5	3; H226	[1][2]

CAS No: 0000107-98-2		-1 ;H336	
Bisphenol F epoxy resin (av.mol.wt.<700) CAS No: 0028064-14-4	2.5-5	/ 2;H315 / 2;H319 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; 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 ³	ppm	mg/m ³
n-Butanol	50	152	-	-
Propylene glycol mono methyl ether	150	553	100	369
Titanium dioxide	-	-	-	10
xylene	150	651	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

26

(= 1)

(,)

/

: 1.4 (n-Butanol)

: 6.6 (xylene)

(Pa)

1.81

n-

/

(Log Kow)

9.2.

10.

10.1.

10.2.

.(Section 7)

가

10.3.

가

10.4.

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
Bisphenol F epoxy resin (av.mol.wt.<700) - (28064-14-4)	2,000.00,			
EPOXY RESIN - (25036-25-3)				
n-Butanol - (71-36-3)	2,292.00,	3,430.00,		
Propylene glycol mono methyl ether - (107-98-2)	5,000.00,	13,000.00,		
xylene - (1330-20-7)	4,299.00,	1,548.00,		20.00,
Zinc phosphate - (7779-90-0)	5,000.00,			

()		
()		
()		
/	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 - (25036-25-3)			
xylene - (1330-20-7)	3.30, Oncorhynchus mykiss	8.50, Palaemonetes pugio	100.00 (72 hr), Chlorococcales
Zinc phosphate - (7779-90-0)	0.09, Oncorhynchus mykiss	0.04, Daphnia magna	0.136 (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
Propylene glycol mono methyl ether - (107-98-2)	1,000.00, Oncorhynchus mykiss	500.00, Daphnia magna	1,000.00 (96 hr), Selenastrum capricornutum
Bisphenol F epoxy resin (av.mol.wt.<700) - (28064-14-4)	9.00, Oncorhynchus mykiss	9.00, Daphnia magna	

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 : (Zinc phosphate)

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

H400

H410

H411

SDS



Akzo Nobel

가