

EPA203 INTERCURE 200HS SAND PART A

1

08/30/13

1.
1.1. INTERCURE 200HS SAND PART A
EPA203

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. .

2.2.

11 , 12

[]:

[]:

[]:

[]:

2.3. .

3.

/	%	GHS	
Epoxy resin (av.mol.wt.<700)	20-30	/ 2;H319	[1]
CAS No:		/ 2;H315 1;H317	

		- 2;H411	
Iron oxide CAS No: 0001309-37-1	10-20		[1][2]
Zinc phosphate CAS No: 0007779-90-0	10-20	- 1;H400 - 1;H410	[1]
Titanium dioxide CAS No: 0013463-67-7	5-10		[1][2]
xylene CAS No: 0001330-20-7	2.5-5	3; H226 - 4;H332 - 4;H312 / 2;H315	[1][2]
Epoxidised cashew nutshell liquid CAS No: 0068413-24-1	2.5-5		[1]
Propylene glycol mono methyl ether CAS No: 0000107-98-2	1-2.5	3; H226 -1 ;H336	[1][2]
Benzyl alcohol CAS No: 0000100-51-6	1-2.5	- 4;H332 - 4;H302	[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

4.

4.1.

4.2. 가 /

4.3.

5. ,

5.1.

5.2.

5.3.

6.

6.1.

6.2.

6.3.

7.

7.1.

7.2. ()

7.3. Specific end use(s)

8.

8.1. , (OEL) (ACGIH)

	(ACGIH)			
	ppm	mg/m ³	ppm	mg/m ³
Ethylbenzene	125	543	100	434
Iron oxide	-	-	-	5
Propylene glycol mono methyl ether	150	553	100	369
Talc	-	-	-	2
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.

9.

pH / (°C)
(°C)
(= 1)
(,) / : 1.1 (xylene)
: 6.6 (xylene)
(Pa)
0.00

n- / (Log Kow)

9.2.

10.

10.1.

10.2.

10.3. 가

10.4.

10.5.

10.6.

11.

	LD50, mg/kg	LD50, mg/kg	LD50, mg/L/4hr	/ LD50, mg/L/4hr
Benzyl alcohol - (100-51-6)	1,230.00,	2,000.00,		4.178,
Epoxidised cashew nutshell liquid - (68413-24-1)				

Epoxy resin (av.mol.wt.<700) - ()	2,000.00,	2,000.00,		
Ethylbenzene - (100-41-4)	3,500.00,	15,433.00,	17.20,	
Iron oxide - (1309-37-1)	10,000.00,			
Propylene glycol mono methyl ether - (107-98-2)	5,000.00,	13,000.00,		
Titanium dioxide - (13463-67-7)	10,000.00,	10,000.00,		6.82,
xylene - (1330-20-7)	4,299.00,	1,548.00,		20.00,
Zinc phosphate - (7779-90-0)	5,000.00,			

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

12.

12.1.

	96 hr LC50 mg/l ,	49 hr EC50 mg/l ,	ErC50 mg/l ,
Epoxy resin (av.mol.wt.<700) - ()	3.10, Pimephales promelas	1.40, Daphnia magna	
Iron oxide - (1309-37-1)			
Zinc phosphate - (7779-90-0)	0.09, Oncorhynchus mykiss	0.04, Daphnia magna	0.136 (72 hr), Selenastrum capricornutum
Titanium dioxide - (13463-67-7)	1,000.00, Fundulus heteroclitus	5.50, Daphnia magna	5.83 (72 hr), Pseudokirchneriella subcapitata
xylene - (1330-20-7)	3.30, Oncorhynchus mykiss	8.50, Palaemonetes pugio	100.00 (72 hr), Chlorococcales
Epoxidised cashew nutshell liquid - (68413-24-1)			
Propylene glycol mono methyl ether - (107-98-2)	1,000.00, Oncorhynchus mykiss	500.00, Daphnia magna	1,000.00 (96 hr), Selenastrum capricornutum
Benzyl alcohol - (100-51-6)	10.00, Lepomis macrochirus	55.00, Daphnia magna	700.00 (72 hr),

Ethylbenzene - (100-41-4)	4.20, Oncorhynchus mykiss	2.93, Daphnia magna	3.60 (96 hr), Pseudokirchneriella subcapitata
---------------------------	---------------------------	---------------------	---

12.2.

12.3.

12.4.

12.5. , , 가

12.6.

13.

13.1.

14.

14.1.

14.2.

14.3.

IMDG Class/Div.

EmS

ICAO/IATA

14.4.

14.5.

:

IMDG :

14.6. 가 가

14.7. MARPOL73/78 Annex II IBC Code .

15.

16.

SDS

Section 3

Phrases

H226

H302

H312

H315

H317

H319

H332

H336

H372

H400

H410

H411

SDS



Akzo Nobel

가