

ISA430 INTERSTORES EPOXY PRIMER FINISH GREEN PART A

1

09/08/13

1.

1.1. INTERSTORES EPOXY PRIMER FINISH GREEN PART A
ISA430

1.2.

1.3.

International Paint Singapore Pte Ltd
3 Neythal Road
Jurong Town
Singapore 628570

+65 6261 5033
+65 6264 4612
+65 6261 5033

1.4.

2.

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

2.2.
11 , 12



H226
H315
H317

H318

[]:

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 , , ,

[]:

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	2.5-5	3; H226 - 4;H302 -1 ;H335 / 2;H315 / 1;H318 -1 ;H336	[1][2]
Solvent naphtha (petroleum), light aromatic CAS No: 0064742-95-6	1-2.5	1;H304	[1]

1,2,4-trimethylbenzene
CAS No: 000095-63-6

1-2.5

3; H226
- 4;H332
/ 2;H319
-1 ;H335
/ 2;H315
- 2;H411

[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 ³	ppm	mg/m ³
Calcium carbonate	-	-	-	10
n-Butanol	50	152	-	-
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

30

(= 1)

(,)

/

: 1.1 (xylene)

: 6.6 (xylene)

(Pa)

1.61

n-

/

(Log Kow)

9.2.

10.

10.1.

10.2.

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,	
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,		
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
n-Butanol - (71-36-3)	1,376.00, Pimephales promelas	1,328.00, Daphnia magna	500.00 (96 hr), Scenedesmus subspicatus
Solvent naphtha (petroleum), light aromatic - (64742-95-6)	9.22, Oncorhynchus mykiss	6.14, Daphnia magna	19.00 (72 hr), Selenastrum capricornutum
1,2,4-trimethylbenzene - (95-63-6)	7.72, Pimephales promelas	3.60, 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 :

14.6. 가 가

14.7. MARPOL73/78 Annex II IBC Code .

15.

None noted.

16.

SDS

Section 3 Phrases

H226

H302

H304

H312

H315

H317

H318

H319

H332

H335

H336

H372

H411

SDS



Akzo Nobel

가