

EHA704 INTERGARD 7020 PART B

1

09/07/13

1.

1.1. INTERGARD 7020 PART B
EHA704

1.2.

1.3.

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+65 6264 4612

1.4.

+65 6261 5033

2.

2.1.

- 3; H226
- 4;H312
- 4;H332
- /
- 1B;H314
- /
- 1;H318
- 1;H317
- 1;H334

2.2.

11 , 12



H226
H312
H314
H317
H318
H332
H334

[]:

P210 / / /
P260 / /
P264
P271 가
P272
P273
P280 / / /

[]:

P301+330+331 :
P302+352 :
P303+361+353 () :
/ /
P304+312 : /
P305+351+338 가 : .가
P310 /
P312 /
P321 ().
P322 ().
P333+313 /
P340 가
P341 가
P342+311 : /
P363
P370 :
P378 , , ,

[]:

P403+233 가
P405 가

[]:

P501 ()

2.3. PBT (,) vPvB (,)

3.

/	%	GHS	
Cardenol CAS No: 0008007-24-7	30-40		[1]
xylene CAS No: 0001330-20-7	10-20	3; H226 - 4;H332	[1][2]

		- 4;H312 / 2;H315	
Alkylated phenolic diamine CAS No: 0068413-28-5	10-20	/ 2AIH319 -1 ;H335 / 2;H315	[1]
n-Butanol CAS No: 0000071-36-3	10-20	3; H226 - 4;H302 -1 ;H335 / 2;H315 / 1;H318 -1 ;H336	[1][2]
Ethanediamine CAS No: 0000107-15-3	10-20	3; H226 - 4;H312 - 4;H302 / 1B;H314 1;H334 1;H317	[1][2]
Epoxy resin (av.mol.wt.<700) CAS No: 0025068-38-6	5-10	/ 2;H319 / 2;H315 1;H317 - 2;H411	[1]
2,4,6-Tris(dimethylaminomethyl)phenol CAS No: 0000090-72-2	2.5-5	- 4;H302 / 2;H319 / 2;H315	[1]

- 1)
- 2) 가
- 3) PBT vPvB
16

가 , 가
가

4.

4.1.

가
가 ,
가
가

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.

, , (13).

, , 가

가

가

7.

7.1.

가

가 (LEL)

(OEL)

가

가

가 (LEL)

(OEL)

7.2. ()

, 8

가 , 가
가 , 1 가

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

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 .

PVC

(overall)

가 .

가 .

가 .

가 .

9.

pH

/ (°C)

(°C)

116

32

(= 1)

(,)

/

: 1.1 (xylene)

: 6.6 (xylene)

(Pa)

0.96

n-

/

(Log Kow)

9.2.

10.

10.1.

10.2.

(Section 7)

10.3.

가 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
2,4,6-Tris(dimethylaminomethyl)phenol - (90-72-2)	1,200.00,	1,280.00,		
Alkylated phenolic diamine - (68413-28-5)				
Cardenol - (8007-24-7)	2,000.00,			
Epoxy resin (av.mol.wt.<700) - (25068-38-6)	2,000.00,	2,000.00,		
Ethanediamine - (107-15-3)	1,200.00,	560.00,		

n-Butanol - (71-36-3)	2,292.00,	3,430.00,		
xylene - (1330-20-7)	4,299.00,	1,548.00,		20.00,

()		
()	4	
()	4	
/	1B	
/	1	
	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 ,
Cardenol - (8007-24-7)			
xylene - (1330-20-7)	3.30, Oncorhynchus mykiss	8.50, Palaemonetes pugio	100.00 (72 hr), Chlorococcales
Alkylated phenolic diamine - (68413-28-5)			
n-Butanol - (71-36-3)	1,376.00, Pimephales promelas	1,328.00, Daphnia magna	500.00 (96 hr), Scenedesmus subspicatus
Ethanediamine - (107-15-3)	70.00, Fish (Piscis)	10.00, Daphnia magna	10.00 (72 hr), Selenastrum capricornutum
Epoxy resin (av.mol.wt.<700) - (25068-38-6)	3.10, Pimephales promelas	1.40, Daphnia magna	
2,4,6-Tris(dimethylaminomethyl)phenol - (90-72-2)			

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.

SDS

Section 3 Phrases

- H226
- H302
- H312
- H314
- H315
- H317
- H318
- H319
- H332
- H334
- H335
- H336
- H372
- H411

SDS



Akzo Nobel

가