

ECD979 INTERGARD 740 BLUE PART A
4 10/25/14

1.

1.1. INTERGARD 740 BLUE PART A
ECD979

1.2.

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
/
2;H319
1;H317
-1 ;H335
-
3;H412

2.2.
11 , 12



H226
H315
H317
H319
H335
H412

[]:

P210 / / /
P260 / /
P261 / /가 / / /
P262 , ,
P264
P271 가
P272
P273
P280 / / /

[]:

P301+310 : /
P302+352 :
P303+361+353 () :
/
P304+312 : /
P305+351+338 가 : .가

P312 /
P321 ().
P331
P333+313 /
P337 :
P340 가
P362
P363
P370 :
P378 , , ,

[]:

P403+233 가
P405 가

[]:

P501 ()

2.3. PBT (,) vPvB (,)

3.

/	%	GHS	
xylene CAS No: 0001330-20-7	20-30	3; H226 - 4;H312 - 4;H332 / 2;H315	[1][2]

		/ 2AIH319 -1 ;H336 - 1;H372	
Epoxy resin (av.mol.wt.<700) CAS No: 0025068-38-6	10-20	/ 2;H319 / 2;H315 1;H317 - 2;H411	[1]
Cyclohexanol, 4,4(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane CAS No: 0030583-72-3	5-10	1;H317 - 2;H411	[1]
Ethylbenzene CAS No: 0000100-41-4	2.5-5	2;H225 - 4;H332 - 3;H373 1;H304 / 2;H315 / 2;H319 -1 ;H335	[1][2]
Propylene glycol mono methyl ether CAS No: 0000107-98-2	2.5-5	3; H226 -1 ;H336	[1][2]
Solvent naphtha (petroleum), light aromatic CAS No: 0064742-95-6	1-2.5	1;H304	[1]
Titanium dioxide CAS No: 0013463-67-7	1-2.5		[1][2]
1-Methoxy-2-propyl acetate CAS No: 0000108-65-6	1-2.5	3; H226	[1]
polyamide dispersion CAS No: 0055349-01-4	<1	1;H317 - 4;H413	[1]
	40-50	---	---

- 1)
2) 가
3) PBT vPvB
16

4.

4.1.

가

가

4.2. 가 /

4.3.

5. ,

5.1.

• , • , • , • , •

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Note; 가

가

5.2.

가 . :

5.3.

가
가 .

6.

6.1.

•

가 , 가
가 가 .

6.2.

가 .

6.3.

. 8 .

$$\frac{1}{2} \left(\frac{1}{2} + \frac{1}{2} \right) = \frac{1}{2} \quad (13)$$

가 .

가 .

가

7.

7.1.

가 (LEL) (OEL)

가

가 (LEL) (OEL)

7.2. ()

8

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/m ³	ppm	mg/m ³
Barium Sulphate				2	10
Ethylbenzene		125	545	100	435
Propylene glycol mono methyl ether		150	540	100	360

Talc 2

Titanium dioxide 10

xylene 150 655 100 434

(P) (Peak exposure limit)
(R)
(Sk)
(Sen)
(Cat 1)
(Cat 2) 가
(Cat 3)

DNEL/PNEC

8.2. 가

가 , (visor)

가 (overall)

가 가

pH / (°C) (°C) 117
27
(= 1)
(,)
/ : 1.1 (xylene)
: 6.6 (xylene)
(Pa)
1.31

n- / (Log Kow)

9.2.

10.

10.1.

10.2.

.(Section 7)
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가 ,

10.3. 가 : , , .

10.4. . (7 .)

10.5. : , , .

10.6. 가 :
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11.

(OEL)
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가 . 가
가 Data
 , , .

	LD50, mg/kg	LD50, mg/kg	LD50, mg/L/4hr	/ LD50, mg/L/4hr
1-Methoxy-2-propyl acetate - (108-65-6)	8,532.00,	5,000.00,		
Cyclohexanol, 4,4(1-methylethylidene) bis-, polymer with (chloromethyl)oxirane - (30583-72-3)				
Epoxy resin (av.mol.wt.<700) - (25068-38-6)	2,000.00,	2,000.00,		
Ethylbenzene - (100-41-4)	3,500.00,	15,433.00,	17.20,	
polyamide dispersion - (55349-01-4)				
Propylene glycol mono methyl ether - (107-98-2)	5,000.00,	13,000.00,		
Solvent naphtha (petroleum), light aromatic - (64742-95-6)	6,800.00,	3,400.00,		
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,

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()		
()		
/	2	
/	2	
	1	
(1)	3	
()		

12.

12.1.

Dangerous Preparations Directive 1999/45/EC

가
(3)

	96 hr LC50 mg/l ,	49 hr EC50 mg/l ,	ErC50 mg/l ,
xylene - (1330-20-7)	3.30, Oncorhynchus mykiss	8.50, Palaemonetes pugio	100.00 (72 hr), Chlorococcales
Epoxy resin (av.mol.wt.<700) - (25068-38-6)	3.10, Pimephales promelas	1.40, Daphnia magna	
Cyclohexanol, 4,4(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane - (30583-72-3)			
Ethylbenzene - (100-41-4)	4.20, Oncorhynchus mykiss	2.93, Daphnia magna	3.60 (96 hr), Pseudokirchneriella subcapitata
Propylene glycol mono methyl ether - (107-98-2)	1,000.00, Oncorhynchus mykiss	500.00, Daphnia magna	1,000.00 (96 hr), Selenastrum capricornutum
Solvent naphtha (petroleum), light aromatic - (64742-95-6)	9.22, Oncorhynchus mykiss	6.14, Daphnia magna	19.00 (72 hr), Selenastrum capricornutum
Titanium dioxide - (13463-67-7)	1,000.00, Fundulus heteroclitus	5.50, Daphnia magna	5.83 (72 hr), Pseudokirchneriella subcapitata
1-Methoxy-2-propyl acetate - (108-65-6)	100.00, Salmo gairdneri	500.00, 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]

	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.

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	4 , 2 , III
	MSDS 8 .
	Ethylbenzene (0000100-41-4)
	Talc (0014807-96-6)
	Titanium dioxide (0013463-67-7)
	(CMR):
	carbon black (0001333-86-4)
	Ethylbenzene (0000100-41-4)
	Titanium dioxide (0013463-67-7)
	:
	Ethylbenzene (0000100-41-4)
	Titanium dioxide (0013463-67-7)
	xylene (0001330-20-7)
	:
	Ethylbenzene (0000100-41-4)
	xylene (0001330-20-7)
	가 :
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	:
	()
	:
	()
	:
	()

Group I:

()

Group II:

C.I. Pigment Blue 15 (0000147-14-8)

Barium Sulphate (0007727-43-7)

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

Ethylbenzene (0000100-41-4)

xylene (0001330-20-7)

:

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()

:

Talc (0014807-96-6)

16.

: 10/25/2014

: 4

: 12/31/2010

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

SDS

Section 3

Phrases

H225

H226

H304

H312

H315

H317

H319

H332

H335

H336

H372

H373

H411

This SDS is valid for 5 years from the revised date on page 1.



Akzo Nobel

가