

FQY999 INTERGARD 740HS BLACK PART A

1

02/04/15

1.

1.1. INTERGARD 740HS BLACK PART A  
FQY999

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

/

1;H318

1;H317

3;H412

2.2.

11 , 12



H315  
H317  
H318  
H412

[ ]:

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	
xylene CAS No: 0001330-20-7	10-20	3; H226 - 4;H312 - 4;H332 / 2;H315 / 2;H319 -1 ;H336 - 1;H372	[1][2]
Fatty Acids, C18-unsaturated, Polymers with Bisphenol A and epichlorohydrin CAS No: 0067989-52-0	10-20	/ 2;H319 -1 ;H335 1;H317 - 2;H411	[1]
EPOXY RESIN CAS No: 0025036-25-3	10-20	/ 2;H319 / 2;H315,	[1]

		1;H317	
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	2.5-5	1;H304	[1]
Ethylbenzene CAS No: 0000100-41-4	1-2.5	2;H225 - 4;H332 - 3;H373 1;H304 / 2;H315 / 2;H319 -1 ;H335	[1][2]
carbon black CAS No: 0001333-86-4	1-2.5		[1][2]
Cyclohexanol, 4,4(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane CAS No: 0030583-72-3	1-2.5	1;H317 - 2;H411	[1]
Propylene glycol mono methyl ether CAS No: 0000107-98-2	1-2.5	3; H226 -1 ;H336	[1][2]
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.

; , , .

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. ( )

, 8

가

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<sup>3</sup>

ppm

mg/m<sup>3</sup>

Barium Sulphate

2

10

carbon black

3.5

Ethylbenzene

125

545

100

435

n-Butanol

C50

C150

Propylene glycol mono methyl ether	150	540	100	360
Talc				2
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)

(overall)

가

가

가

가

pH

/ (°C)

(°C)

65

27

( = 1)

( , )

/

: 1.4 ( n-Butanol )

: 6.6 ( xylene )

(Pa)

1.39

n-

/

(Log Kow)

9.2.

10.

10.1.

10.2.

.(Section 7 )

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10.3.

가

10.4.

.(7 .)

10.5.

10.6.

가

11.

(OEL)

가

가

Data

	LD50, mg/kg	LD50, mg/kg	LD50, mg/L/4hr	/ LD50, mg/L/4hr
carbon black - (1333-86-4)	8,000.00,			
Cyclohexanol, 4,4(1-methylethylidene) bis-, polymer with (chloromethyl)oxirane - (30583-72-3)				
EPOXY RESIN - (25036-25-3)				
Ethylbenzene - (100-41-4)	3,500.00,	15,433.00,	17.20,	
Fatty Acids, C18-unsaturated, Polymers with Bisphenol A and epichlorohydrin - (67989-52-0)				
n-Butanol - (71-36-3)	2,292.00,	3,430.00,		
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,		
xylene - (1330-20-7)	4,299.00,	1,548.00,		20.00,

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/	2	
/	1	
	1	
(1 )		
( )		

12.

12.1.

Dangerous Preparations Directive 1999/45/EC

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( 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
Fatty Acids, C18-unsaturated, Polymers with Bisphenol A and epichlorohydrin - (67989-52-0)			
EPOXY RESIN - (25036-25-3)			
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
Ethylbenzene - (100-41-4)	4.20, Oncorhynchus mykiss	2.93, Daphnia magna	3.60 (96 hr), Pseudokirchneriella subcapitata
carbon black - (1333-86-4)	1,000.00, Danio rerio	5,600.00, Daphnia magna	10,000.00 (72 hr), Scenedesmus subspicatus
Cyclohexanol, 4,4(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane - (30583-72-3)			
Propylene glycol mono methyl ether - (107-98-2)	1,000.00, Oncorhynchus mykiss	500.00, Daphnia magna	1,000.00 (96 hr), Selenastrum capricornutum
polyamide dispersion - (55349-01-4)			

12.2.

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12.3.

12.4.

12.5.

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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.

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IMDG :

14.6. 가 가

14.7. MARPOL73/78 Annex II IBC Code .

15.

4 , 2 , III

MSDS 8 .

n-Butanol (0000071-36-3)  
Ethylbenzene (0000100-41-4)  
Talc (0014807-96-6)

(CMR):

2-Butoxyethanol (0000111-76-2)  
carbon black (0001333-86-4)  
ethanol (0000064-17-5)  
Ethylbenzene (0000100-41-4)

:

n-Butanol (0000071-36-3)  
Ethylbenzene (0000100-41-4)  
xylene (0001330-20-7)

:

n-Butanol (0000071-36-3)  
Ethylbenzene (0000100-41-4)  
xylene (0001330-20-7)

가 :

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( )

**Group I:**

( )

**Group II:**

Barium Sulphate (0007727-43-7)

Ethylbenzene (0000100-41-4)

xylene (0001330-20-7)

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( )

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Talc (0014807-96-6)

**16.**

: 04/02/2015

: 1

: 04/02/2015

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

SDS

Section 3

Phrases

H225

H226

H302

H304

H312

H315

H317

H318

H319

H332

H335

H336

H372

H373

H411

**SDS**



Akzo Nobel

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