

EVA076 INTERGARD 475HS PART B

4

10/27/14

1.

1.1. INTERGARD 475HS PART B  
EVA076

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

- 4;H312

/

2;H315

/

1;H318

-1 ;H335

2.2.

11 , 12



H226

H312

H315  
H318  
H335

[ ]:

P210 / / /  
P261 / /가 / / /  
P264  
P271 가  
P280 / / /

[ ]:

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

P310 /  
P321 ( ).  
P322 ( ).  
P340 가  
P362  
P363  
P370 :  
P378 , , ,

[ ]:

P403+233 가  
P405 가

[ ]:

P501 ( )

2.3. PBT ( , ) vPvB ( , )

3.

/	%	GHS	
Alkylated phenolic diamine CAS No: 0068413-28-5	60-70	/ 2AIH319 -1 ;H335 / 2;H315	[1]
xylene CAS No: 0001330-20-7	20-30	3; H226 - 4;H312 - 4;H332 / 2;H315 / 2AIH319 -1 ;H336 - 1;H372	[1][2]
n-Butanol CAS No: 0000071-36-3	5-10	3; H226 - 4;H302 -1 ;H335 / 2;H315 / 1;H318 -1 ;H336	[1][2]

2,4,6-Tris(dimethylaminomethyl)phenol CAS No: 000090-72-2	2.5-5	- 4;H302 / 2;H319 / 2;H315	[1]
Ethanediamine CAS No: 0000107-15-3	<1	3; H226 - 4;H312 - 4;H302 / 1B;H314 1;H334 1;H317	[1][2]
	<1	---	---

- 1)
- 2) 가
- 3) PBT vPvB  
16

**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 <sup>3</sup>	ppm	mg/m <sup>3</sup>
n-Butanol			C50	C150
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

9.

pH

/ (°C)

(°C)

116

31

( = 1)

( , )

/

: 1.1 ( xylene )

: 6.6 ( xylene )

(Pa)

0.97

n-

/

(Log Kow)

9.2.

10.

10.1.

10.2.

.(Section 7 )

가

10.3.

가

10.4.

10.5.

10.6.

가

11.

(OEL)

가

가

가

2

	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)				
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	
( )		
/	2	
/	1	

(1 )	3	
( )		

12.

12.1.

1999/45/EC 가 ,

가

	96 hr LC50 mg/l ,	49 hr EC50 mg/l ,	ErC50 mg/l ,
Alkylated phenolic diamine - (68413-28-5)			
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
2,4,6-Tris(dimethylaminomethyl)phenol - (90-72-2)			
Ethanediamine - (107-15-3)	70.00, Fish (Piscis)	10.00, Daphnia magna	10.00 (72 hr), Selenastrum capricornutum

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.

4 , 2 , III

MSDS 8 .

n-Butanol (0000071-36-3)

(CMR):

Ethylbenzene (0000100-41-4)

:

n-Butanol (0000071-36-3)

xylene (0001330-20-7)

:

n-Butanol (0000071-36-3)

xylene (0001330-20-7)

가 :

( )

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( )

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( )

:  
( )

**Group I:**

( )

**Group II:**

Ethylbenzene (0000100-41-4)

xylene (0001330-20-7)

:  
( )

( )

( ) :

**16.**

: 10/27/2014

: 4

: 05/29/2008

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

SDS

Section 3

Phrases

H226

H302

H312

H315

H318

H319

H332

H335

H336

H372

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



Akzo Nobel

가