

EPA392 INTERZONE 1000 DARK GREEN PART A

4

10/27/14

1.

1.1. INTERZONE 1000 DARK GREEN PART A  
EPA392

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

2;H411

2.2.

11 , 12



H315  
H317  
H319  
H411

[ ]:

P210 / / /  
P261 / /가 / / /  
P264  
P272  
P273  
P280 / / /

[ ]:

P302+352 :  
P303+361+353 ( ) :  
/ 가 : .가

P312 /  
P321 ( ).  
P333+313 /  
P337 :  
P362  
P363  
P370 :  
P378 , , ,  
P391

[ ]:

P403+233 가

[ ]:

P501 ( )

2.3. PBT ( , ) vPvB ( , )

3.

/	%	GHS	
Epoxy resin (av.mol.wt.<700) CAS No: 0025068-38-6	30-40	/ 2;H319 / 2;H315 1;H317 - 2;H411	[1]
xylene CAS No: 0001330-20-7	5-10	3; H226 - 4;H312 - 4;H332 / 2;H315 / 2A;H319 -1 ;H336 - 1;H372	[1][2]
Alkyl(C12-C14)glycidyl ether CAS No: 0068609-97-2	2.5-5	/ 2;H315 1;H317	[1]
Titanium dioxide CAS No: 0013463-67-7	2.5-5		[1][2]

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]
	40-50	---	---

- 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 , 1 가

### 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

Ethylbenzene

125

545

100

435

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)

(overall)

가

가

.가

가

9.

pH

/ (°C)

(°C)

108

44

( = 1)

( , )

/

: 1.1 ( xylene )

: 6.6 ( xylene )

(Pa)

1.45

n-

/

(Log Kow)

9.2.

10.

10.1.

10.2.

.(Section 7 )

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
Alkyl(C12-C14)glycidyl ether - (68609-97-2)				
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,	
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,

( )		
( )		
( )		
/	2	

/	2	
	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
Alkyl(C12-C14)glycidyl ether - (68609-97-2)			
Titanium dioxide - (13463-67-7)	1,000.00, Fundulus heteroclitus	5.50, Daphnia magna	5.83 (72 hr), Pseudokirchneriella subcapitata
Ethylbenzene - (100-41-4)	4.20, Oncorhynchus mykiss	2.93, Daphnia magna	3.60 (96 hr), Pseudokirchneriella subcapitata

**12.2.**

가

**12.3.**

**12.4.**

**12.5.** , 가

PBT ( , ) vPvB ( , )

**12.6.**

**13.**

**13.1.**



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 : (Epoxy Resin)

14.6. 가 가

14.7. MARPOL73/78 Annex II IBC Code .

15.

4 , 2 , III

MSDS 8 .

Ethylbenzene (0000100-41-4)  
Titanium dioxide (0013463-67-7)

(CMR):

Silica(quartz) (0014808-60-7)  
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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( )

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( )

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

**Group I:**

( )

**Group II:**

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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( )

( )

:

( )

**16.**

: 10/27/2014

: 4

: 04/02/2008

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