

EPA489/W INTERZONE 1000 PART B

3

10/27/14

1.

1.1. INTERZONE 1000 PART B
EPA489/W

1.2. 0901140 (Unknown)

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. .
- 4;H302
- 4;H332
/
1B;H314
/
1;H318
1;H317
-1 ;H335
-
3;H412

2.2.
11 , 12



H302
H314
H317
H318
H332
H335
H412

[]:

P260 / /

P264

P270

P271 가

P272

P273

P280 / / /

[]:

P301+330+331 :

P302+352 :

P303+361+353 () :

P304+312 :

P305+351+338 가 : .가

P310 /

P312 /

P321 ().

P333+313 /

P340 가

P363

[]:

P403+233 가

P405 가

[]:

P501 ()

2.3. PBT () vPvB ()

3.

/	%	GHS	
Fatty acid /epoxy copolymer CAS No: 0068424-41-9	30-40		[1]
Alkylated phenolic diamine CAS No: 0068413-28-5	30-40	/ 2AIH319 -1 ;H335 / 2;H315	[1]
n-Butanol CAS No: 0000071-36-3	10-20	3; H226 - 4;H302 -1 ;H335 / 2;H315	[1][2]

		-1 / 1;H318 ;H336	
2,4,6-Tris(dimethylaminomethyl)phenol CAS No: 0000090-72-2	5-10	- 4;H302 / 2;H319 / 2;H315	[1]
M-Xylylenediamine CAS No: 0001477-55-0	5-10	- 4;H302 - 3;H331 / 1;H314 1;H317 - 3;H412	[1][2]
Tetraethylenepentamine CAS No: 0000112-57-2	1-2.5	- 4;H312 - 4;H302 / 1B;H314 1;H317 - 2;H411	[1]
Triethylenetetramine CAS No: 0000112-24-3	1-2.5	- 4;H312 / 1B;H314 1;H317 - 3;H412	[1]
Bis[(dimethylamino)methyl]phenol CAS No: 0071074-89-0	1-2.5	/ 1;H314	[1]
	<1	---	---

- 1)
- 2) 가
- 3) PBT vPvB
16

4.

4.1.

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

7.2. ()

, 8

가 , 1 가

7.3. Specific end use(s)

가 , 가 . 3

8.

8.1. , (OEL) (ACGIH)

(ACGIH)

ppm mg/m³ ppm mg/m³

n-Butanol C50 C150

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

DNEL/PNEC

8.2. 가

가

(overall)

가

가

가

가

9.

pH

/ (°C)

(°C)

116

101

(= 1)

(,)

/

: 1.4 (n-Butanol)

: 11.3 (n-Butanol)

(Pa)

0.97

n-

/

(Log Kow)

9.2.

10.

10.1.

10.2.

.(Section 7)

10.3. 가 , .

10.4. : , , .

10.5. . (7 .)

10.6. : , , .

가 . :

, , , .

11.

(OEL)

가 . 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)				
Bis[(dimethylamino)methyl]phenol - (71074-89-0)				
Fatty acid /epoxy copolymer - (68424-41-9)				
M-Xylylenediamine - (1477-55-0)	930.00,	2,000.00,	0.00,	1.34,
n-Butanol - (71-36-3)	2,292.00,	3,430.00,		
Tetraethylenepentamine - (112-57-2)	2,140.00,			
Triethylenetetramine - (112-24-3)	2,780.00,	550.00,		

()	4	
()		
()	4	
/	1B	
/	1	

	1	
(1)	3	
()		

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 ,
Fatty acid /epoxy copolymer - (68424-41-9)			
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
2,4,6-Tris(dimethylaminomethyl) phenol - (90-72-2)			
M-Xylylenediamine - (1477-55-0)	100.00, Oncorhynchus mykiss	16.00, Daphnia magna	
Tetraethylenepentamine - (112-57-2)	420.00, Poecilia reticulata	24.00, Daphnia magna	2.00 (72 hr), Pseudokirchneriella subcapitata
Triethylenetetramine - (112-24-3)	495.00, Pimephales promelas	33.90, Daphnia magna	20.00 (72 hr), Selenastrum capricornutum
Bis[(dimethylamino)methyl]phenol - (71074-89-0)			

12.2.

가

12.3.

12.4.

12.5.

, 가 PBT (,) vPvB (,) .

12.6.

13.

13.1.

가

14.

14.1. 3470
 14.2. 3470 PAINT, CORROSIVE, FLAMMABLE, 8, subrisk 3, III
 14.3.

UN3470 PAINT,CORROSIVE,FLAMMABLE, CLASS 8, SUBRISK 3, PG II, HAZCHEM *3W

IMDG Class/Div. 8 3

EmS F-E,S-C

ICAO/IATA 8 3

14.4. III

14.5.

:

IMDG :

14.6. 가 가

14.7. MARPOL73/78 Annex II IBC Code .

15.

4 , 3 , III

MSDS 8 .

0901140 (Unknown)
 n-Butanol (0000071-36-3)
 0901140 (Unknown)
 0901140 (Unknown)
 n-Butanol (0000071-36-3)
 0901140 (Unknown)

n-Butanol (0000071-36-3)

0901140 (Unknown)

0901140 (Unknown)

0901140 (Unknown)

0901140 (Unknown)

0901140 (Unknown)

0901140 (Unknown)

0901140 (Unknown)

0901140 (Unknown)

0901140 (Unknown)

16.

: 10/27/2014

: 3

: 06/10/2009

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

SDS

Section 3 Phrases

H226

H302

H312

H314

H315

H317

H318

H319

H331

H335

H336

H411

H412

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



Akzo Nobel

가