

EGE322 INTERSEAL 670HS RAL6019 PASTEL GREEN PTA

4 10/25/14

1.

1.1. INTERSEAL 670HS RAL6019 PASTEL GREEN PTA
EGE322

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

[]:

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

P321 ().
P331
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	20-30	/ 2;H319 / 2;H315 1;H317 - 2;H411	[1]
Titanium dioxide CAS No: 0013463-67-7	5-10		[1][2]
xylene CAS No: 0001330-20-7	5-10	3; H226 - 4;H312 - 4;H332 / 2;H315 / 2A;H319	[1][2]

		-1 ;H336 - 1;H372	
Propylene glycol mono methyl ether CAS No: 0000107-98-2	1-2.5	3; H226 -1 ;H336	[1][2]
Solvent naphtha (petroleum), light aromatic CAS No: 0064742-95-6	1-2.5	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]
polyamide dispersion CAS No: 0055349-01-4	<1	1;H317 - 4;H413	[1]
	50-60	---	---

- 1)
2)
3) PBT
- 가
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

가 (LEL) (OEL)

7.2. ()
: , .
 , 8
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/m³	ppm	mg/m3
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 .

9.

pH
/ (°C)
 (°C) 65
 36
(= 1)
(,)
/ : 1.1 (xylene)
 : 6.6 (xylene)
(Pa)
1.71

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 . 가

Data

가 , .

2 .

	LD50, mg/kg	LD50, mg/kg	LD50, mg/L/4hr	/ LD50, mg/L/4hr
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 -	5,000.00,	13,000.00,		

(107-98-2)				
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,

()		
()		
()		
/	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	
Titanium dioxide - (13463-67-7)	1,000.00, Fundulus heteroclitus	5.50, Daphnia magna	5.83 (72 hr), Pseudokirchneriella subcapitata
xylene - (1330-20-7)	3.30, Oncorhynchus mykiss	8.50, Palaemonetes pugio	100.00 (72 hr), Chlorococcales
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
Ethylbenzene - (100-41-4)	4.20, Oncorhynchus mykiss	2.93, Daphnia magna	3.60 (96 hr), Pseudokirchneriella subcapitata
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]

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.

MSDS 8 .

Ethylbenzene (0000100-41-4)
Talc (0014807-96-6)
Titanium dioxide (0013463-67-7)

(CMR):

carbon black (0001333-86-4)
Silica(quartz) (0014808-60-7)
Cyclohexanone (0000108-94-1)
ethanol (0000064-17-5)
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

:

()

:

()

:

()

:

()

Group I:

()

Group II:

Epoxy resin (av.mol.wt.<700) (0025068-38-6)
Ethylbenzene (0000100-41-4)
xylene (0001330-20-7)

:

()

()

:

Talc (0014807-96-6)

16.

: 10/25/2014

: 4

: 07/24/2013

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