

**KNA785D INTERGARD 787 GREY PART A**

4

10/28/14

**1.**

**1.1.** INTERGARD 787 GREY PART A  
KNA785D

**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

3;H412

**2.2.**

11 , 12



H315  
H317  
H319  
H412

[ ]:

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 , , ,

[ ]:

P403+233 가

[ ]:

P501 ( )

2.3. PBT ( , ) vPvB ( , )

3.

/	%	GHS	
EPOXY RESIN CAS No: 0025036-25-3	30-40	/ 2;H319 / 2;H315, 1;H317	[1]
xylene CAS No: 0001330-20-7	10-20	3; H226 - 4;H312 - 4;H332 / 2;H315 / 2;H319 -1 ;H336 - 1;H372	[1][2]
Aluminium, alkyls CAS No: 0007429-90-5	2.5-5	Water react. 2;H261 H250	[1][2]

Titanium dioxide CAS No: 0013463-67-7	2.5-5		[1][2]
Solvent naphtha (petroleum), light aromatic CAS No: 0064742-95-6	1-2.5	1;H304	[1]
n-Butanol CAS No: 0000071-36-3	1-2.5	3; H226 - 4;H302 -1 ;H335 / 2;H315 / 1;H318 -1 ;H336	[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]
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]
Methanol CAS No: 0000067-56-1	<1	2;H225 - 3;H331 - 3;H311 - 3;H301 -1 1;H370	[1][2]
	30-40	---	---

- 1)
- 2) 가
- 3) PBT vPvB  
16

4.

4.1.

가

가

4.2. 가 /

4.3.

5. ,

5.1.

; , , , .  
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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  
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>

Aluminium, alkyls 2

Ethylbenzene 125 545 100 435

Methanol 250 310 200 260

n-Butanol			C50	C150
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)

(overall)

가

가 . 가 가

pH

/ (°C)

(°C)

65

36

( = 1)

( , )

/

: 1.4 ( n-Butanol )

: 6.6 ( xylene )

(Pa)

1.38

n-

/

(Log Kow)

9.2.

10.

10.1.

10.2.

.(Section 7 )

가

10.3.

가

10.4.

.(7 .)

10.5.

10.6.

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11.

(OEL)

	LD50, mg/kg	LD50, mg/kg	LD50, mg/L/4hr	/ LD50, mg/L/4hr
Aluminium, alkyls - (7429-90-5)				
EPOXY RESIN - (25036-25-3)				
Ethylbenzene - (100-41-4)	3,500.00,	15,433.00,	17.20,	
Methanol - (67-56-1)	5,628.00,	15,800.00,	85.00,	
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,		
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 )



	96 hr LC50 mg/l	49 hr EC50 mg/l	ErC50 mg/l
EPOXY RESIN - (25036-25-3)			
xylene - (1330-20-7)	3.30, Oncorhynchus mykiss	8.50, Palaemonetes pugio	100.00 (72 hr), Chlorococcales
Aluminium, alkyls - (7429-90-5)	0.12, Oncorhynchus mykiss	3.50, Daphnia magna	
Titanium dioxide - (13463-67-7)	1,000.00, Fundulus heteroclitus	5.50, Daphnia magna	5.83 (72 hr), Pseudokirchneriella subcapitata
Solvent naphtha (petroleum), light aromatic - (64742-95-6)	9.22, Oncorhynchus mykiss	6.14, Daphnia magna	19.00 (72 hr), Selenastrum capricornutum
n-Butanol - (71-36-3)	1,376.00, Pimephales promelas	1,328.00, Daphnia magna	500.00 (96 hr), Scenedesmus subspicatus
Ethylbenzene - (100-41-4)	4.20, Oncorhynchus mykiss	2.93, Daphnia magna	3.60 (96 hr), Pseudokirchneriella subcapitata
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)			
Methanol - (67-56-1)	100.00, Pimephales promelas	10,000.00, Daphnia magna	16.912 (96 hr), Ulva pertusa

12.2.

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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]

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 .

- Aluminium, alkyls (0007429-90-5)
- n-Butanol (0000071-36-3)
- Ethylbenzene (0000100-41-4)
- Talc (0014807-96-6)
- Titanium dioxide (0013463-67-7)

**(CMR):**

- Silica(quartz) (0014808-60-7)
- ethanol (0000064-17-5)
- Ethylbenzene (0000100-41-4)
- Titanium dioxide (0013463-67-7)

:

- Aluminium, alkyls (0007429-90-5)
- n-Butanol (0000071-36-3)
- Ethylbenzene (0000100-41-4)
- Titanium dioxide (0013463-67-7)
- xylene (0001330-20-7)

:

- Aluminium, alkyls (0007429-90-5)
- n-Butanol (0000071-36-3)
- Ethylbenzene (0000100-41-4)
- xylene (0001330-20-7)

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**Group I:**

( )

**Group II:**

Aluminium, alkyls (0007429-90-5)

Ethylbenzene (0000100-41-4)

xylene (0001330-20-7)

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( )

:

Talc (0014807-96-6)

**16.**

: 10/28/2014

: 4

: 11/18/2005

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

SDS

Section 3 Phrases

H225

H226

H250

H261 가

H302

H304

H312

H315

H317

H318

H319

H332

H335

H336

H372

H373

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



Akzo Nobel

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